

Table 1. Continuous flood trial at resistant site.

Treatment	Rate (g ai/ha)	Prod./a	Timing ³	Dates	Phytotoxicity ¹			% Weed Control ²												
					% Stunting	% Stand	% Injury	ECHPH		SCPMU	HETLI	BAORO	ECHPH		SCPMU	BAORO	SAGMO	CYPDI	AMMCO	HETLI
								18-Jun	18-Jun				9-Jul	19-Jul						
Untreated ⁴	---	---	---		0.0	0.0	0.0	42.5	16.3	8.8	6.0	1.8	8.8	60.0	3.8	3.5	75.3	0.8	0.8	2.3
Cerano fb. Shark	673 fb. 224	12lb fb. 8oz	0.5 lsr fb. 2-3 lsr	25-May 7-Jun	0.0	5.3	3.8	58.8	55.0	26.3	97.5	68.8	100.0	38.8	52.5	27.5	100.0	100.0	25.0	68.8
Cerano fb. Londax	673 fb. 71	12lb fb. 1.7oz	0.5 lsr fb. 2-3 lsr	25-May 7-Jun	0.0	3.3	5.0	62.5	100.0	23.8	77.5	100.0	72.5	51.3	87.5	100.0	100.0	72.5	100.0	60.0
Cerano fb. Superwham + COC	673 fb. 6727 + 1.25% v/v	12lb bf. 6qt + 1.25% v/v	0.5 lsr fb. 1-3 Til	25-May 21-Jun	0.0	0.8	1.3	55.0	10.0	93.8	100.0	86.3	98.8	95.0	96.3	71.3	100.0	98.8	75.0	70.0
Cerano fb. Regiment + Kinetic	673 fb. 44.5 + .125% v/v	12lb fb. 0.79oz + 0.125% v/v	0.5 lsr fb. 1-3 Til	25-May 21-Jun	0.0	2.8	2.5	56.3	0.0	87.5	48.8	92.5	100.0	92.5	68.8	51.3	100.0	0.0	27.5	82.5
Cerano fb. Grandstand	673 fb. 280	12lb fb. 10.7oz	0.5 lsr fb. 1-3 Til	25-May 21-Jun	0.0	0.8	1.3	47.5	0.0	25.0	97.5	67.5	100.0	67.5	96.3	48.8	100.0	31.3	100.0	95.0
Cerano + Ordram fb. Shark	336 + 4485 fb. 224	6lb + 26.7lb fb. 8oz	0.5 lsr fb. 2-3 lsr	25-May 7-Jun	2.5	7.5	2.5	73.8	63.8	81.3	95.0	16.3	62.5	77.5	70.0	5.0	100.0	57.5	0.0	0.0
Bolero fb. Superwham + COC	4485 fb. 6727 + 1.25% v/v	26.7lb fb. 6qt + 1.25% v/v	1-2 lsr fb. 1-3 Til	3-Jun 21-Jun	0.0	1.5	0.0	55.0	8.5	96.3	100.0	100.0	67.5	96.3	100.0	100.0	100.0	100.0	98.8	63.8
Bolero fb. Regiment + Kinetic	4485 fb. 44.5 + .125% v/v	26.7lb fb. 0.79oz + 0.125% v/v	1-2 lsr fb. 1-3 Til	3-Jun 21-Jun	0.0	1.5	0.0	51.3	86.3	91.3	100.0	100.0	95.0	93.8	96.3	100.0	100.0	97.5	98.8	93.8
Sofit	444	20oz	PFS	15-May	15.0	55.0	0.0	92.5	100.0	90.0	50.0	72.5	37.5	91.3	0.0	82.5	25.0	98.8	61.3	93.8
Sofit	543	24.8oz	PFS	15-May	15.0	42.5	0.0	86.3	97.5	85.0	27.5	96.3	0.0	90.0	41.3	81.3	75.0	100.0	68.8	92.5
Sofit	642	29oz	PFS	15-May	10.0	52.5	0.0	93.8	100.0	91.3	50.0	85.0	25.0	88.8	2.5	77.5	50.0	98.8	21.3	88.8
Sofit fb. Superwham + COC	444 fb. 6727 + 1.25% v/v	20oz fb. 6qt + 1.25% v/v	PFS fb. 1-3 Til	15-May 21-Jun	6.3	48.8	0.0	91.3	100.0	81.3	97.5	96.3	57.5	95.0	47.5	91.3	50.0	100.0	50.0	88.8
Sofit fb. Superwham + COC	543 fb. 6727 + 1.25% v/v	24.8oz fb. 6qt + 1.25% v/v	PFS fb. 1-3 Til	15-May 21-Jun	7.5	52.5	0.0	92.5	100.0	96.3	100.0	96.3	68.8	98.8	96.3	82.5	25.0	100.0	50.0	78.8
Sofit fb. Regiment + Kinetic	444 fb. 44.5 + .125% v/v	20oz fb. 0.79oz + 0.125% v/v	PFS fb. 1-3 Til	15-May 21-Jun	6.3	45.0	0.0	91.3	98.8	83.8	100.0	100.0	35.0	96.3	67.5	88.8	50.0	100.0	33.8	85.0
Sofit fb. Regiment + Kinetic	543 fb. 44.5 + .125% v/v	24.8oz fb. 0.79oz + 0.125% v/v	PFS fb. 1-3 Til	15-May 21-Jun	7.5	55.0	0.0	92.5	98.8	98.8	100.0	93.8	31.3	97.5	68.8	98.8	50.0	100.0	52.5	93.8
Ordram + Londax	4485 fb. 71	26.7lb + 1.7oz	1-2 lsr	3-Jun	0.0	2.5	0.0	47.5	95.0	25.0	75.0	100.0	50.0	33.8	100.0	98.8	100.0	97.5	96.3	47.5
Ordram fb. Cerano fb. Shark	4485 fb. 448 fb. 224	26.7lb fb. 8lb fb. 8oz	PPI fb. 0.5 lsr fb. 2-3 ls	15-May 25-May 7-Jun	2.0	3.3	2.5	52.5	40.0	51.3	93.8	53.8	31.3	65.0	81.3	0.0	100.0	98.8	15.0	46.3
Shark fb. Clincher + COC	224 fb. 315 + 1.25%v/v	8oz fb. 15oz + 1.25% v/v	2-3 lsr fb. 1-3 Til	7-Jun 21-Jun	0.0	0.0	0.0	17.5	67.5	0.0	100.0	47.5	51.3	32.5	98.8	21.3	100.0	98.8	61.3	27.5
Regiment + Abolish	10 + 2240	0.18oz + 1qt	1-3 Til	21-Jun	0.0	0.0	0.0	0.0	0.0	10.0	75.0	93.8	100.0	42.5	86.3	85.0	100.0	50.0	72.5	81.3
Regiment + Abolish	25 + 3360	0.45oz + 1.5qt	1-3 Til	21-Jun	0.0	0.0	0.0	0.0	0.0	22.5	100.0	93.8	100.0	71.3	96.3	95.0	100.0	70.0	91.3	95.0
Regiment + Abolish	37 + 3360	0.66oz + 1.5oz	1-3 Til	21-Jun	0.0	0.0	0.0	0.0	0.0	75.0	100.0	98.8	100.0	66.3	98.8	70.0	100.0	45.0	95.0	97.5

¹ % Stand (Percent stand reduction), % Stunting (Percent stunting of rice), % Injury (percent injury to rice)² ECHPH (Late watergrass), SCPMU (Rice field bulrush), CYPDI (Small flower Umbrellaplant), HETLI (Duck salad), LEFFA (Sprangletop), BAORO (Waterhyssop), AMMCO (Redstem), SAGMO (California arrowhead)³ fb. (followed by), lsr (leaf stage of rice), Til (tillers of rice), PFS (pre-flood surface), PPI (pre-plant incorporated).⁴ Untreated weed control values represent % cover by the respective weed species

Trial Information

1. Trial seeded May 21, 2004 with 150 lbs per acre of M104
2. Trial managed as a permanent flood, water dropped for 70% exposure of weeds for the 1-3 tiller foliar application June 21.
3. Watergrass was 1-2 leaf at time of June 3 application.
Watergrass was 3-4 leaf, ricefield bulrush was 3 leaf, california arrowhead was 2-3 leaf at time of June 7 application.
Watergrass was 3-4 tiller, California arrowhead was 5 leaf, Red stem was 6 leaf, Waterhyssop was 6-7 inches at time of June 21 application.
4. Spray applications made with 20 gallons/acre using 8002 nozzles.
5. Weather conditions on May 15: Air temperature 74° F, wind 1-2 MPH from the east.
Weather conditions on May 25: Air temperature 79° F, wind 2-4 MPH from the south
Weather conditions on June 3: Air temperature 72° F, wind 3-6 MPH from the southeast
Weather conditions on June 7: Air temperature 85° F, wind 0-1 MPH from the west
Weather conditions on June 21: Air temperature 65° F, wind 1-2 MPH from the northwest

Table 2. Pinpoint Trial at Resistant off station site

Treatment	Rate (g ai/ha)	Prod./a	Timing ³	Date	Phytotoxicity ¹				Weed Control ²							
					% Stunting	% Stand	% Stunting	% Stand	ECHPH	SCPMU	BAORO	ECHPH	SCPMU	BAORO	CYPDI	AMMCO
					10-Jun		9-Jul		9-Jul			19-Jul				
Untreated ⁴					0	0	0	0	15	15	6.8	52.5	14.3	5.0	30.0	10.5
Regiment + Abolish	5 + 2240	0.09oz + 1qt	4-5 Isr	14-Jun	0	0	0	0	11.3	55	50	5.0	72.5	31.3	42.5	85.0
Regiment + Abolish	10 + 2240	0.18oz + 1qt	4-5 Isr	14-Jun	0	0	0	0	22.5	22.5	61.3	16.3	65.0	88.8	47.5	81.3
Regiment + Abolish	25 + 3360	0.45oz + 1.5qt	4-5 Isr	14-Jun	0	0	0	0	63.8	85	63.8	53.8	95.0	83.8	76.3	78.8
Regiment + Abolish	37 + 3360	0.66oz + 1.5oz	4-5 Isr	14-Jun	0	0	1.3	0	82.5	75	58.8	78.8	95.0	90.0	71.3	81.3
Regiment + Kinetic	5 + 0.125% v/v	0.09oz + 0.125% v/v	4-5 Isr	14-Jun	0	0	0	0	6.3	21.3	2.5	5.0	56.3	37.5	18.8	46.3
Regiment + Kinetic	10 + 0.125% v/v	0.18oz + 0.125% v/v	4-5 Isr	14-Jun	0	0	0	0	0	28.8	52.5	1.3	93.8	51.3	63.8	80.0
Regiment + Kinetic	25 + 0/125% v/v	0.45oz + 0.125% v/v	4-5 Isr	14-Jun	0	0	0	0	50	67.5	47.5	30.0	95.0	51.3	46.3	78.8
Regiment + Kinetic	30 + 0.125% v/v	0.54oz + 0.125% v/v	4-5 Isr	14-Jun	0	0	2.5	0	60	70	52.5	50.0	87.5	65.0	50.0	68.8
Regiment + Kinetic	37 + 0.125% v/v	0.66oz + 0.125% v/v	4-5 Isr	14-Jun	0	0	5	0	87.5	80	63.8	83.8	92.5	73.8	66.3	43.8
Abolish	2240	1qt	4-5 Isr	14-Jun	0	0	0	0	15	0	23.8	0.0	8.8	16.3	10.0	15.0
Abolish	3360	1.5qt	4-5 Isr	14-Jun	0	0	0	0	0	10	21.3	0.0	0.0	46.3	13.8	28.8
Clincher + Agridex fb. Super Wham + COI	315 + .125% v/v fb. 6720 + 1.25% v/v	15oz + 0.125% v/v fb. 6qt + 1.25% v/v	4-5 Isr fb. 1-3 Til	14-Jun 21-Jun	0.0	0.0	0.0	0.0	96.3	100.0	72.5	85.0	97.5	88.8	88.8	71.3
Super Wham + Agridex fb. Clincher + COI	6720 + 1.25% v/v fb. 315 + 1.25% v/v	6qt + 1.25% v/v fb. 15oz + 1.25% v/v	4-5 Isr fb. 1-3 Til	14-Jun 21-Jun	0.0	0.0	0.0	0.0	95.0	96.3	67.5	90.0	100.0	73.8	88.8	75.0
Regiment + Kinetic fb. Clincher + COC	37 + .125% v/v fb. 315 + 1.25% v/v	.66oz + 0.125% v/v fb. 15oz + 1.25% v/v	4-5 Isr fb. 1-3 Til	14-Jun 21-Jun	0.0	0.0	3.8	0.0	88.8	88.8	46.3	77.5	95.0	68.8	67.5	65.0
Regiment + Kinetic fb. Clincher + COC	44.5 + .125% v/v fb. 315 + 1.25% v/v	1.79oz + 0.125% v/v fb. 15oz + 1.25% v/v	4-5 Isr fb. 1-3 Til	14-Jun 21-Jun	0.0	0.0	3.8	0.0	93.8	95.0	47.5	95.0	97.5	73.8	81.3	70.0
Prowl + Super Wham + COC	1120 + 6720 + 1.25% v/v	1.1qt + 6qt + 1.25% v/v	4-5 Isr	14-Jun	0.0	0.0	0.0	0.0	20.0	81.3	90.0	11.3	75.0	81.3	75.0	86.3
Regiment + Kinetic fb. Super Wham + CO	37 + .125% v/v fb. 6720 + 1.25% v/v	0.66oz + 0.125% v/v fb. 6qt + 1.25% v/v	4-5 Isr fb. 1-3 Til	14-Jun 21-Jun	0.0	0.0	5.0	0.0	96.3	98.8	72.5	96.3	100.0	77.5	96.3	85.0
Regiment + Kinetic fb. Super Wham + CO	44.5 + .125% v/v fb. 6720 + 1.25% v/v	0.79oz + 0.125% v/v fb. 6qt + 1.25% v/v	4-5 Isr fb. 1-3 Til	14-Jun 21-Jun	0.0	0.0	5.0	0.0	97.5	100.0	90.0	97.5	98.8	60.0	95.0	82.5
Super Wham + COC	6720 + 1.25% v/v	6qt + 1.25% v/v	1-3 Til	21-Jun	0.0	0.0	0.0	1.3	96.3	95.0	68.8	81.3	93.8	86.3	82.5	70.0
Regiment + Kinetic	44.5 + 0.125% v/v	0.79oz + 0.125% v/v	4-5 Isr	14-Jun	0.0	0.0	5.0	0.0	91.3	86.3	66.3	91.3	96.3	63.8	70.0	67.5
Super Wham + COC fb. Regiment + Kineti	4480 + 1.25% v/v fb. 37 + 0.125% v/v	4qt + 1.25% v/v fb. 0.66oz + 0.125% v/v	4-5 Isr fb. 1-3 Til	14-Jun 21-Jun	0.0	0.0	3.8	0.0	88.8	87.5	62.5	46.3	93.8	31.3	71.3	27.5
Super Wham + COC fb. Regiment + Kineti	4480 + 1.25% v/v fb. 44.5 + 0.125% v/v	4qt + 1.25% v/v fb. 0.79oz + 0.125% v/v	4-5 Isr fb. 1-3 Til	14-Jun 21-Jun	0.0	0.0	5.0	0.0	93.8	96.3	42.5	75.0	93.8	46.3	78.8	56.3
Sofit fb. Sofit + Super Wham + COC	450 fb. 750 + 4480 + 1.25%	20.6oz fb. 34oz + 4qt + 1.25% v/v	PFS fb 4-5 Isr	15-May 14-Jun	0.0	55.0	0.0	0.0	32.5	78.8	67.5	28.8	61.3	80.0	91.3	56.3
Sofit fb. Sofit + Regiment + Kinetic	450 fb. 750 + 37 + 0.125%	20.6oz fb. 34oz + 0.66oz + 0.125% v/v	PFS fb. 4-5 Isr	15-May 14-Jun	0.0	52.5	0.0	0.0	76.3	86.3	96.3	71.3	77.5	93.8	91.3	77.5
Regiment + Whip + Kinetic	37 + 48.2 + 0.125% v/v	0.66oz + 9.2oz + 0.125% v/v	4-5 Isr	14-Jun	0.0	0.0	3.8	0.0	71.3	77.5	67.5	66.3	76.3	52.5	71.3	52.5
Whip	48.2	9.2oz	4-5 Isr	14-Jun	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.0	0.0	23.8	0.0	32.5

¹ % Stand (Percent stand reduction), % Stunting (Percent stunting of rice), % Injury (percent injury to rice)

² ECHPH (Late watergrass), SCPMU (Rice field bulrush), CYPDI (Small flower Umbrellaplant), HETLI (Duck salad), LEFFA (Sprangletop), BAORO (Waterhyssop), AMMCO (Redstem) SAGMO (California arrowhead)

³ fb. (followed by), Isr (leaf stage of rice), Til (tillers of rice), PFS (pre-flood surface), PPI (pre-plant incorporated).

⁴ Untreated weed control values represent % cover by the respective weed species

Trial Information

1. Trial seeded May 21, 2004 with 150 lbs per acre of M104
2. Trial managed as a pin-point flood with flood water drained beginning June 14 for the June 16 application.
3. Watergrass was 4 leaf, ricefield bulrush was 7 leaf, smallflower umbrella sedge was 4 leaf, California arrowhead was 2-3 leaf at time of June 16 application. Watergrass was 3-4 tiller, California arrowhead was 5 leaf, Red stem was 6 leaf, Waterhyssop was 6-7 inches at time of June 21 application.
4. Spray applications made with 20 gallons/acre using 8002 nozzles.
5. Weather conditions on June 16: Air temperature 63° F, wind 1-4 MPH from the east.
Weather conditions on May 25: Air temperature 79° F, wind 2-4 MPH from the south
Weather conditions on June 21: Air temperature 68° F, water temperature 75° F, wind 1-3 MPH from the northwest

Table 3. BASF Pinpoint Trial at Resistant off station site

Treatment	Rate	Prod./a	Timing ³	Date	Phytotoxicity ¹						Weed Control ²									
					% Stunting	% Stand	% Injury	% Stunting	% Stand	% Injury	ECPH	SCPMU	SAGMO	BAORO	SCPMU	ECPH	CYPDI	SAGMO	BAORO	HETLI
					10-Jun			18-Jun			10-Jun				19-Jul					
Untreated ⁴					0.0	0.0	0.0	0.0	0.0	0.0	10.0	8.8	5.0	7.8	3.3	68.8	2.8	2.3	3.8	1.0
Cerano	673	12lb	0.5 Isr	25-May	0.0	10.0	11.3	0.0	3.8	0.0	32.5	0.0	80.0	0.0	12.5	10.0	0.0	20.0	0.0	66.3
Cerano fb. Superwham + COC	673 fb. 3360 + 1.25% v/v	12lb 3qt + 1.25% v/v	0.5 Isr fb. 3-4 Isr	25-May 10-Jun	0.0	8.3	12.5	0.0	10.0	0.0	32.5	0.0	82.5	0.0	90.0	87.5	91.3	65.0	48.8	95.0
Cerano fb. Prowl EC + Superwham + COC	673 fb. 1110 + 3360 + 1.25% v/v	12lb 1.2qt + 3qt + 1.25% v/v	0.5 Isr fb. 3-4 Isr	25-May 10-Jun	0.0	10.0	10.0	0.0	11.3	0.0	30.0	0.0	80.0	0.0	88.8	90.0	86.3	98.8	60.0	83.8
Cerano fb. Prowl H2O + Superwham + COC	673 fb. 1118 + 3360 + 1.25% v/v	12 1qt + 3qt + 1.25% v/v	0.5 Isr fb. 3-4 Isr	25-May 10-Jun	0.0	11.3	12.5	0.0	10.0	0.0	32.5	0.0	80.0	0.0	85.0	90.0	97.5	96.3	65.0	76.3
Prowl H2O + Superwham + COC	1118 + 3360 + 1.25% v/v	1qt + 3qt + 1.25% v/v	3-4 Isr	10-Jun	0.0	2.5	2.5	0.0	6.3	0.0	7.5	0.0	20.0	0.0	97.5	83.8	100.0	97.5	61.3	58.8

¹ % Stand (Percent stand reduction), % Stunting (Percent stunting of rice), % Injury (percent injury to rice)

² ECHPH (Late watergrass), SCPMU (Rice field bulrush), CYPDI (Small flower Umbrellaplant), HETLI (Duck salad), LEFFA (Sprangletop), BAORO (Waterhyssop), AMMCO (Redstem), SAGMO (California arrowhead)

³ fb. (followed by), Isr (leaf stage of rice), Til (tillers of rice), PFS (pre-flood surface), PPI (pre-plant incorporated).

⁴ Untreated weed control values represent % cover by the respective weed species

Trial Information

1. Trial seeded May 21, 2004 with 150 lbs per acre of M104
2. Trial managed as a continuous flood for the Cerano applications, then as a pinpoint flood with flood water drained beginning June 8 for the June 10 application.
3. Watergrass was 4 leaf, ricefield bulrush was 3 inches, California arrowhead was 2 leaf, Red stem was 2 leaf, Waterhyssop was 3 inches at time of June 21 application.
4. Spray applications made with 20 gallons/acre using 8002 nozzles.
5. Weather conditions on May 25: Air temperature 79° F, wind 2-4 MPH from the south.
Weather conditions on June 10: Air temperature 62° F, wind 0-2 MPH from the south.

Table 4. Continuous flood trial at Hamilton Road.

Treatment	Rate	Timing ³	Date	Phytotoxicity ¹				Weed Control ²								Yield (lb/A)	
				% Stand	% Stunting	% Stand	% Stunting	ECHPH	HETLI	SCPMU	BAORO	ECHPH	SCPMU	CYPDI	HETLI		
				8-Jul	26-Jul	8-Jul				26-Jul				13-Oct			
Untreated ⁴	---	---	---	0.0	0.0	0.0	0.0	22.5	4.0	0.8	2.0	12.5	1.0	0.5	7.8	4613.6	
Cerano fb. Shark	673 fb. 224	12lb fb. 8oz	0.5 lsr fb. 2-3 lsr	14-Jun	22-Jun	2.5	1.3	0.0	0.0	98.8	100.0	100.0	100.0	100.0	100.0	100.0	6064.5
Cerano fb. Londax	673 fb. 71	12lb fb. 1.7oz	0.5 lsr fb. 2-3 lsr	14-Jun	22-Jun	7.5	8.8	0.0	0.0	96.3	100.0	100.0	100.0	98.8	100.0	100.0	7181.2
Cerano fb. Superwham + COC	673 fb. 6720 + 1.25% v/v	12lb fb. 6qt + 1.25% v/v	0.5 lsr fb. 1-3 Til	14-Jun	6-Jul	1.3	1.3	0.0	0.0	96.3	100.0	100.0	75.0	100.0	100.0	97.5	7108.6
Cerano fb. Regiment + Kinetic	673 fb. 37 + .125% v/v	12lb fb. 0.66oz + 0.125% v/v	0.5 lsr fb. 1-3 Til	14-Jun	6-Jul	2.5	0.0	1.8	0.0	97.8	100.0	75.0	50.0	98.8	98.8	50.0	5071.6
Cerano fb. Superwham+ Grandstand+ COC	673 fb. 6720 + 280 + 1.25% v/v	12lb fb. 6qt + 10.7oz + 1.25% v/v	0.5 lsr fb. 1-3 Til	14-Jun	6-Jul	0.0	0.0	0.0	0.0	96.3	100.0	80.0	75.0	100.0	100.0	100.0	7322.4
Cerano fb. Grandstand	673 fb. 280	12lb fb. 10.7oz	0.5 lsr fb. 1-3 Til	14-Jun	6-Jul	0.0	0.0	0.0	0.0	96.3	100.0	70.0	25.0	96.3	72.5	23.8	7249.3
Cerano + Ordram fb. Shark	336 + 4480 fb. 224	6lb + 26.6lb fb. 8oz	0.5 lsr fb. 2-3 lsr	14-Jun	6-Jul	0.0	0.0	0.0	0.0	97.0	97.5	97.5	75.0	98.8	100.0	100.0	663.8
Bolero fb. Superwham + COC	4480 fb. 6720 + 1.25% v/v	26.6lb fb. 6qt + 1.25% v/v	1-2 lsr fb. 1-3 Til	18-Jun	6-Jul	2.0	0.0	0.0	1.3	91.3	78.8	97.5	98.8	95.0	100.0	100.0	0.0
Bolero fb. Regiment + Kinetic	4480 fb. 37 + .125% v/v	26.6lb fb. 0.66oz + 0.125% v/v	1-2 lsr fb. 1-3 Til	18-Jun	6-Jul	0.0	0.0	0.0	0.0	76.3	47.5	75.0	100.0	95.0	100.0	100.0	55.0
Sofit	444	20oz	PFS	8-Jun		52.5	13.8	2.5	2.5	98.3	75.0	100.0	100.0	95.0	67.5	100.0	20.0
Sofit	543	24.8oz	PFS	8-Jun		43.8	17.5	2.5	10.0	98.8	50.0	100.0	100.0	97.5	0.0	100.0	0.0
Sofit	642	29oz	PFS	8-Jun		60.0	17.5	8.8	35.0	99.5	100.0	100.0	100.0	95.0	50.0	100.0	25.0
Sofit fb. Superwham + COC	444 fb. 6720 + 1.25% v/v	20oz fb. 6qt + 1.25% v/v	PFS fb. 1-3 Til	8-Jun	6-Jul	55.0	13.8	5.0	8.8	100.0	100.0	100.0	100.0	97.5	100.0	100.0	52.5
Sofit fb. Superwham + COC	642 fb. 6720 + 1.25% v/v	29oz fb. 6qt + 1.25% v/v	PFS fb. 1-3 Til	8-Jun	6-Jul	52.5	17.5	5.0	7.5	98.8	100.0	100.0	100.0	100.0	100.0	100.0	45.0
Sofit fb. Clincher + COC	444 fb. 315 + 1.25% v/v	20oz fb. 15oz + 1.25% v/v	PFS fb. 1-3 Til	8-Jun	6-Jul	32.5	6.3	0.0	0.0	98.8	48.8	75.0	100.0	100.0	70.0	100.0	0.0
Sofit fb. Clincher + COC	642 fb. 315 + 1.25% v/v	29oz fb. 15oz + 1.25% v/v	PFS fb. 1-3 Til	8-Jun	6-Jul	57.5	20.0	6.3	12.5	100.0	100.0	100.0	100.0	100.0	72.5	100.0	18.8
Sofit fb. Regiment + Kinetic	444 fb. 37 + .125% v/v	20oz fb. 0.66oz + 0.125% v/v	PFS fb. 1-3 Til	8-Jun	6-Jul	28.8	15.0	1.3	7.5	92.5	32.5	75.0	100.0	98.8	95.0	100.0	0.0
Sofit fb. Regiment + Kinetic	642 fb. 37 + .125% v/v	29oz fb. 0.66oz + 0.125% v/v	PFS fb. 1-3 Til	8-Jun	6-Jul	52.5	16.3	5.0	25.0	98.8	75.0	100.0	100.0	98.8	91.3	100.0	22.5
Ordram + Londax	4480 fb. 71	26.6lb fb. 1.7oz	1-2 lsr	18-Jun		10.0	5.0	0.0	0.0	96.3	100.0	100.0	100.0	98.8	100.0	100.0	100.0
Ordram 15G fb. Cerano fb. Shark	4480 fb. 448 fb. 224	26.6lb fb. 8lb fb. 8oz	PPI fb. 0.5 lsr fb. 2-3 lsr	8-Jun	14-Jun 22-Jun	8.8	1.3	0.0	1.3	96.3	100.0	100.0	100.0	98.8	100.0	100.0	100.0
Ordram 8E fb. Cerano fb. Shark	4480 fb. 448 fb. 224	2qt fb. 8lb fb. 8oz	PPI fb. 0.5 lsr fb. 2-3 lsr	8-Jun	14-Jun 22-Jun	2.5	0.0	0.0	0.0	96.3	100.0	100.0	100.0	98.8	98.8	100.0	100.0
Shark fb. Clincher + COC	224 fb. 315 + 1.25% v/v	8oz fb. 15oz + 1.25% v/v	2-3 lsr fb. 1-3 Til	22-Jun	6-Jul	0.0	0.0	0.0	0.0	37.5	100.0	100.0	100.0	95.0	100.0	100.0	100.0
Bolero fb. Regiment + Grandstand + Kinetic	4480 fb. 37 + 280 + 0.125% v/v	6lb fb. 0.66oz + 10.7oz + 0.125% v/v	1-2 lsr fb. 1-3 Til	18-Jun	6-Jul	0.8	0.0	0.0	1.3	90.0	67.5	100.0	100.0	97.5	100.0	100.0	47.5
Regiment + Abolish	10 + 2240	0.18oz + 1qt	1-3 Til		6-Jul	0.0	0.0	0.0	0.0	32.5	0.0	50.0	50.0	85.0	100.0	100.0	0.0
Regiment + Abolish	25 + 3360	0.45oz + 1.5qt	1-3 Til		6-Jul	0.0	0.0	0.0	1.3	17.5	37.5	25.0	25.0	73.8	100.0	100.0	0.0
LSD 0.05																1754.0	

LSD 0.05 1754.1.

¹ % Stand (percent stand reduction), % Stunting (percent stunting of rice), % Injury (percent injury to rice)² ECHPH (Late watergrass), SCPMU (Rice field bulrush), CYPDI (Small flower Umbrellaplant), HETLI (Duck salad), LEFFA (Sprangletop), BAORO (Waterhyssop), AMMCO (Redstem), SAGMO (California arrowhead)³ PFS (pre-flood surface), PPI (pre-plant incorporated), fb. (followed by), lsr (leaf stage of rice), Til (tillers of rice).⁴ Untreated weed control values represent % cover by the respective weed species

Trial Information

- Sofit applied June 9 to dry soil prior to flood
- Trial seeded June 10, 2004 with 150 lbs per acre of M104
- Trial managed as a permanent flood with flood water at 4-5 inches.
- No weeds were visible when Cerano was applied.
Watergrass was 1-2 leaf, ricefield bulrush was 1-2 leaf, ducksalad was 1 leaf on June 18.
Watergrass was 4 leaf, ricefield bulrush was 3 leaf, ducksalad was 4-5 leaf on June 22.
Watergrass was 1-2 tiller, ricefield bulrush was 4-5 leaf, ducksalad was 9 leaf on July 6.
- Spray applications made with 20 gallons/acre using 8002 nozzles.
- Weather conditions on June 14: Air temperature 85° F, wind 3-5 MPH from the east.
Weather conditions on June 18: Air temperature 66° F, water temperature 73°F, wind 1-4 MPH from the northwest.
Weather conditions on June 22: Air temperature 68° F, water temperature 70°F, wind 1-4 MPH from the northwest.
Weather conditions on July 6: Air temperature 86° F, water temperature 73°F, wind 1-4 MPH from the southwest.

Table 5. Pinpoint Trial at Hamilton Road

Treatment	Rate	Prod./a	Timing ³	Date	Phytotoxicity ¹			Weed Control ²						Yield (lb/A)	
					% Stand	% Stunting	% Injury	ECHPH	HETLI	SCPMU	ECHPH	SCPMU	HETLI		CYPDI
					8-Jul			8-Jul			29-Jul			4-Oct	
Untreated ⁴					0.0	0.0	0.0	6.5	11.8	9.3	6.8	10.0	23.8	1.0	6372.5
Regiment + Abolish	5 + 2240	0.09oz + 1qt	4-5 Isr	29-Jun	0.0	0.0	0.0	95.0	62.5	93.8	93.8	61.3	23.8	75.0	6589.8
Regiment + Abolish	10 + 2240	0.18oz + 1qt	4-5 Isr	29-Jun	6.3	2.5	1.3	96.3	100.0	100.0	98.8	88.8	40.0	75.0	6484.1
Regiment + Abolish	25 + 3360	0.45oz + 1.5qt	4-5 Isr	29-Jun	6.3	2.5	1.3	98.8	100.0	100.0	97.5	86.3	37.5	100.0	6510.9
Regiment + Abolish	30 + 3360	0.54oz + 1.5qt	4-5 Isr	29-Jun	0.0	0.0	0.0	92.5	33.8	55.0	85.0	28.8	30.0	50.0	6717.1
Regiment + Kinetic	5 + 0.125% v/v	0.09oz + 0.125% v/v	4-5 Isr	29-Jun	0.0	0.0	0.0	80.0	68.8	62.5	78.8	55.0	48.8	75.0	6568.2
Regiment + Kinetic	10 + 0.125% v/v	0.18oz + 0.125% v/v	4-5 Isr	29-Jun	0.0	0.0	0.0	92.5	95.0	100.0	96.3	68.8	45.0	100.0	6817.9
Regiment + Kinetic	25 + 0.125% v/v	0.45oz + 0.125% v/v	4-5 Isr	29-Jun	6.3	3.8	3.8	98.8	100.0	100.0	100.0	77.5	70.0	100.0	6465.1
Regiment + Kinetic	30 + 0.125% v/v	0.54oz + 0.125% v/v	4-5 Isr	29-Jun	10.0	5.0	6.3	96.3	100.0	100.0	98.8	98.8	76.3	100.0	6207.8
Regiment + Kinetic	37 + 0/125% v/v	0.66oz + 0.125% v/v	4-5 Isr	29-Jun	13.8	10.0	10.0	98.8	100.0	100.0	100.0	92.5	88.8	100.0	6229.7
Abolish	2240	1qt	4-5 Isr	29-Jun	0.0	0.0	0.0	2.5	0.0	0.0	12.5	7.5	15.0	50.0	6297.4
Abolish	3360	1.5qt	4-5 Isr	29-Jun	0.0	0.0	0.0	2.5	0.0	23.8	8.8	36.3	5.0	75.0	6321.8
Clincher + Agridex fb. Super Wham + COC	315 + 1.25% v/v fb. 6720 + 1.25% v/v	15oz + 1.25% v/v fb. 6qt + 1.25% v/v	4-5 Isr fb. 1-3 Til	29-Jun 6-Jul	0.0	0.0	3.8	98.8	36.3	68.8	100.0	100.0	28.8	100.0	6695.0
Clincher + Agridex fb. Regiment + Kinetic	315 + 1.25% v/v fb. 37 + 1.25% v/v	15oz + 1.25% v/v fb. 0.66oz + 0.125% v/v	4-5 Isr fb. 2-3 Til	29-Jun 6-Jul	0.0	0.0	0.0	97.5	0.0	0.0	100.0	100.0	86.3	75.0	6510.9
Super Wham + Agridex fb. Clincher + COC	6720 + 1.25% v/v fb. 315 + 1.25% v/v	6qt + 1.25% v/v fb. 15oz + 1.25% v/v	4-5 Isr fb. 1-3 Til	29-Jun 6-Jul	0.0	0.0	2.5	93.8	78.8	100.0	92.5	97.5	41.3	100.0	6583.7
Regiment + Kinetic fb. Clincher + COC	30 + 1.25% v/v fb. 315 + 1.25% v/v	0.54oz + 0.125% v/v fb. 15oz + 1.25% v/v	4-5 Isr fb. 1-3 Til	29-Jun 6-Jul	8.8	5.0	8.8	97.5	100.0	100.0	98.8	100.0	72.5	100.0	6612.7
Prowl + Super Wham + COC	1120 + 6720 + 1.25% v/v	1.2qt + 6qt + 1.25% v/v	4-5 Isr	29-Jun	1.3	0.0	5.0	97.5	90.0	100.0	98.8	98.8	32.5	100.0	6459.4
Regiment + Kinetic fb. Super Wham + COC	30 + 1.25% v/v fb. 6720 + 1.25% v/v	0.54oz + 0.125% v/v fb. 6qt + 1.25% v/v	4-5 Isr fb. 1-3 Til	29-Jun 6-Jul	12.5	7.5	7.5	100.0	100.0	100.0	100.0	100.0	81.3	100.0	6271.9
Clincher + Agridex fb. Londax	315 + 1.25% v/v fb. 71	15oz + 1.25% v/v fb. 1.7oz	4-5 Isr fb. 2-3 Til	29-Jun 6-Jul	0.0	0.0	0.0	97.5	0.0	25.0	97.5	100.0	91.3	100.0	6693.2
Regiment + Whip + Kinetic	30 + 48.2 + 0.125% v/v	0.54oz + 9oz + 0.125% v/v	4-5 Isr	29-Jun	10.0	8.8	10.0	97.5	100.0	100.0	98.8	98.8	86.3	100.0	6433.1
Regiment + Semptra + Kinetic	30 + 52.5 + 0.125% v/v	0.54oz + 1oz + 0.125% v/v	4-5 Isr	29-Jun	12.5	8.8	11.3	95.0	100.0	100.0	95.0	100.0	93.8	100.0	6319.8
Regiment + Londax + Kinetic	30 + 71 + 0.125% v/v	0.54oz + 1.7oz + 0.125% v/v	4-5 Isr	29-Jun	11.3	7.5	8.8	88.8	100.0	100.0	96.3	100.0	80.0	100.0	6514.1
Clincher + COC	315 + 1.25% v/v	15oz + 1.25% v/v	4-5 Isr	29-Jun	0.0	0.0	0.0	100.0	0.0	50.0	98.8	31.3	13.8	75.0	6283.5
Clincher + COC fb. Regiment + Grandstand + Kinetic	15 + 1.25% v/v fb. 37 + 280 + 0.125% v/v + 1.25% v/v	0.66oz + 10.7oz + 0.125% v/v	4-5 Isr fb. 1-3 Til	29-Jun 6-Jul	1.3	0.0	0.0	98.8	6.3	37.5	98.8	100.0	83.8	100.0	6306.7
Super Wham + Abolish + COC	4480 + 4480 + 1.25% v/v	4qt + 2qt + 1.25% v/v	4-5 Isr	29-Jun	2.5	0.0	6.3	100.0	90.0	86.3	93.8	90.0	37.5	100.0	6288.4
Regiment + Shark + Kinetic	30 + 112 + 0.125% v/v	0.54oz + 4oz + 0.125% v/v	4-5 Isr	29-Jun	1.3	0.0	5.0	82.5	95.0	100.0	80.0	100.0	86.3	100.0	6632.0
Shark	112	4oz	4-5 Isr	29-Jun	0.0	0.0	0.0	12.5	81.3	96.3	26.3	95.0	80.0	100.0	6685.5
LSD 0.05															336.3

LSD 0.05 336.3

¹ % Stand (percent stand reduction), % Stunting (percent stunting of rice), % Injury (percent injury to rice)² ECHPH (Late watergrass), SCPMU (Rice field bulrush), CYPDI (Small flower Umbrellaplant), HETLI (Duck salad), LEFFA (Sprangletop), BAORO (Waterhyssop), AMMCO (Redstem), SAGMO (California arrowhead)³ PFS (pre-flood surface), PPI (pre-plant incorporated), fb. (followed by), Isr (leaf stage of rice), Til (tillers of rice).⁴ Untreated weed control values represent % cover by the respective weed species

Trial Information

1. Trial seeded June 10, 2004 with 150 lbs per acre of M104
2. Trial managed as a pinpoint flood with flood water drained beginning June 27 for a June 29 application. Flood water begins back into field July 1. Water lowered to achieve 70% exposure for the July 6 application.
3. Watergrass was 4 leaf, smallflower umbrella sedge was 5 leaf, California arrowhead was 4", duck salad was 4", waterhyssop was 4" on June 29. Watergrass was 2-3 tiller, ricefield bulrush was 1-2 tiller, waterhyssop was 6-8" on July 6.
4. Spray applications made with 20 gallons/acre using 8002 nozzles.
5. Weather conditions on June 29: Air temperature 88° F, wind 0-2 MPH from the southeast.
Weather conditions on July 6: Air temperature 73° F, water temperature 73°F, wind 0 MPH.

Table 6. BASF early pinpoint at Hamilton road

Treatment	Rate	Prod /a	Timing ³	Date	Phytotoxicity ¹		Weed Control ²							Yield (lb/A)		
					Stunting	Stand Red.	ECPH	SCPMU	HETLI	ECPH	SCPMU	CYPDI	HETLI		LEFFA	
	(g ai/ha)			1st	2nd	12-Jul		12-Jul			27-Jul				4-Oct	
Untreated ⁴	---	---	---			0.0	0.0	13.8	18.8	10.0	10.0	10.0	17.5	5.0	1.5	5976.1
Prowl H2O + Super Wham + COC	1121 + 3360 + 1.25% v/v	1.1qt + 3qt + 1.25% v/v	3-4 Isr	28-Jun		0.0	0.0	92.5	83.8	40.0	95.0	90.0	100.0	42.5	31.3	6717.9
Prowl H2O + Super Wham + COC	2242 + 6720 + 1.25% v/v	2.1qt + 6qt + 1.25% v/v	3-4 Isr	28-Jun		0.0	0.0	97.5	88.8	50.0	100.0	96.3	100.0	35.0	56.3	6649.4
Prowl H2O + COC	1121 + 1.25% v/v	1.1qt + 1.25% v/v	3-4 Isr	28-Jun		0.0	0.0	56.3	0.0	10.0	70.0	2.5	28.8	2.5	0.0	6258.8
Prowl H2O + COC	2242 + 1.25% v/v	2.1qt + 1.25% v/v	3-4 Isr	28-Jun		0.0	0.0	36.3	2.5	13.8	71.3	2.5	17.5	18.8	0.0	6481.6
Prowl EC + Super Wham + COC	1121 + 3360 + 1.25% v/v	1.2qt + 3qt + 1.25% v/v	3-4 Isr	28-Jun		0.0	0.0	97.5	63.8	17.5	98.8	75.0	100.0	18.8	56.3	6957.4
Prowl EC + Super Wham + COC	2242 + 6720 + 1.25% v/v	2.4qt + 6qt + 1.25%	3-4 Isr	28-Jun		0.0	5.0	100.0	80.0	43.8	100.0	92.5	100.0	8.8	87.5	6488.8
Prowl EC + COC	1121 + 1.25% v/v	1.2qt + 1.25% v/v	3-4 Isr	28-Jun		0.0	0.0	48.8	0.0	0.0	93.8	8.8	37.5	2.5	43.8	6105.8
Prowl EC + COC	2242 + 1.25% v/v	2.4qt + 1.25%	3-4 Isr	28-Jun		0.0	1.3	80.0	2.5	2.5	93.8	13.8	18.8	6.3	25.0	6391.2
Super Wham + COC	3360 + 1.25% v/v	3qt + 1.25% v/v	3-4 Isr	28-Jun		0.0	0.0	67.5	61.3	12.5	92.5	86.3	97.5	36.3	0.0	6975.0
Super Wham + COC	6720 + 1.25% v/v	6qt + 1.25%	3-4 Isr	28-Jun		0.0	0.0	93.8	91.3	16.3	98.8	97.5	100.0	15.0	37.5	6849.4
Clincher + COC fb. Super Wham + COC	280 + 1.25% v/v fb. 6720 + 1.25% v/v	13oz + 1.25% v/v fb. 6qt + 1.25% v/v	3-4 Isr fb. 1-3 Til	28-Jun 6-Jul		0.0	0.0	100.0	77.5	45.0	100.0	97.5	100.0	26.3	100.0	6733.8
Buctril	300	17oz	3-4 Isr	28-Jun		0.0	0.0	10.0	27.5	3.8	47.5	98.8	61.3	26.3	0.0	6740.3
Buctril	600	1qt	3-4 Isr	28-Jun		0.0	0.0	27.5	70.0	8.8	60.0	95.0	82.5	22.5	6.3	6634.4
Super Wham + Abolish + COC	6720 + 2240 + 1.25% v/v	6qt + 1qt + 1.25% v/v	3-4 Isr	28-Jun		0.0	2.5	97.5	91.3	30.0	98.8	100.0	100.0	35.0	93.8	6630.4
LSD 0.05																496.4

LSD 0.05 496.4

¹ % Stand (percent stand reduction), % Stunting (percent stunting of rice), % Injury (percent injury to rice)² ECHPH (Late watergrass), SCPMU (Rice field bulrush), CYPDI (Small flower Umbrellaplant), HETLI (Duck salad), LEFFA (Sprangletop), BAORO (Waterhyssop), AMMCO (Redstem), SAGMO (California arrowhead)³ PFS (pre-flood surface), PPI (pre-plant incorporated), fb. (followed by), Isr (leaf stage of rice), Til (tillers of rice).⁴ Untreated weed control values represent % cover by the respective weed species**Trial Information**

1. Trial seeded June 10, 2004 with 150 lbs per acre of M104
2. Trial managed as a pinpoint flood with flood water drained beginning June 25 for a June 28 application. Flood water begins back into field June 30. Water lowered to achieve 70% exposure for the July 6 application.
3. Watergrass was 3-4 leaf, smallflower umbrella sedge was 5 leaf, California arrowhead was 4", ducksalad was 4", waterhyssop was 4" on June 28. Watergrass was 3 tiller, ricefield bulrush was 1-2 tiller, ducksalad was 8", waterhyssop was 8" on July 6.
4. Spray applications made with 20 gallons/acre using 8002 nozzles.
5. Weather conditions on June 28: Air temperature 83° F, wind 0-1 MPH from the south.
Weather conditions on July 6: Air temperature 73° F, water temperature 73°F, wind 0-3 MPH from the southeast.

Table 7. BASF late pinpoint at Hamilton road

Treatment	Rate	Prod./a	Timing ³	Date	Phytotoxicity ¹		Weed Control ²								Yield (lb/A)
					% Stunt	% Stand	ECHPH	SCPMU	HETLI	CYPDI	ECHPH	SCPMU	CYPDI	HETLI	
	(g ai/ha)	Prod./a			15-Jul		15-Jul				29-Jul				4-Oct
Untreated ⁴	---	---	---		0.0	0.0	16.3	15.0	17.5	8.3	30.0	28.8	7.5	21.3	5871.3
Prowl H2O + Super Wham + COC	1121 + 3360 + 1.25% v/v	1.1qt + 3qt + 1.25% v/v	5-6 Isr	8-Jul	0.0	0.0	83.8	88.8	46.3	86.3	63.8	91.3	100.0	21.3	6535.7
Prowl H2O + Super Wham + COC	2242 + 6720 + 1.25% v/v	2.1qt + 6qt + 1.25% v/v	5-6 Isr	8-Jul	0.0	0.0	86.3	95.0	47.5	92.5	81.3	96.3	95.0	22.5	6546.7
Prowl H2O + COC	1121 + 1.25% v/v	1.1qt + 1.25% v/v	5-6 Isr	8-Jul	0.0	0.0	23.8	32.5	33.8	25.0	25.0	52.5	27.5	10.0	6361.8
Prowl H2O + COC	2242 + 1.25% v/v	2.1qt + 1.25% v/v	5-6 Isr	8-Jul	0.0	0.0	0.0	8.8	10.0	0.0	10.0	51.3	5.0	10.0	5606.4
Prowl EC + Super Wham + COC	1121 + 3360 + 1.25% v/v	1.2qt + 3qt + 1.25% v/v	5-6 Isr	8-Jul	0.0	0.0	47.5	88.8	30.0	95.0	53.8	90.0	96.3	33.8	6092.7
Prowl EC + Super Wham + COC	2242 + 6720 + 1.25% v/v	2.4qt + 6qt + 1.25%	5-6 Isr	8-Jul	0.0	0.0	91.3	90.0	51.3	90.0	85.0	98.8	98.8	35.0	6545.8
Prowl EC + COC	1121 + 1.25% v/v	1.2qt + 1.25% v/v	5-6 Isr	8-Jul	0.0	0.0	18.8	3.8	2.5	0.0	37.5	35.0	17.5	10.0	6202.2
Prowl EC + COC	2242 + 1.25% v/v	2.4qt + 1.25%	5-6 Isr	8-Jul	0.0	0.0	11.3	7.5	13.8	0.0	31.3	35.0	16.3	13.8	6220.5
Super Wham + COC	3360 + 1.25% v/v	3qt + 1.25% v/v	5-6 Isr	8-Jul	0.0	0.0	65.0	87.5	26.3	75.0	63.8	93.8	85.0	32.5	6667.0
Super Wham + COC	6720 + 1.25% v/v	6qt + 1.25%	5-6 Isr	8-Jul	0.0	0.0	86.3	92.5	41.3	90.0	82.5	98.8	97.5	20.0	6701.4
Clincher + COC fb. Super Wham + COC	311 + 1.25% v/v fb. 6720 + 1.25% v/v	13oz + 1.25% v/v fb. 6qt + 1.25% v/v	5-6 Isr fb. 1-3 Til	8-Jul 6-Jul	0.0	0.0	75.0	50.0	26.3	47.5	100.0	67.5	50.0	22.5	6469.8
Buctril	300	17oz	5-6 Isr	8-Jul	0.0	0.0	0.0	62.5	22.5	41.3	15.0	95.0	46.3	25.0	6600.0
Buctril	600	1qt	5-6 Isr	8-Jul	0.0	0.0	5.0	70.0	33.8	52.5	7.5	98.8	55.0	16.3	6423.3

LSD 0.05 746.0

¹ % Stand (percent stand reduction), % Stunting (percent stunting of rice), % Injury (percent injury to rice)² ECHPH (Late watergrass), SCPMU (Rice field bulrush), CYPDI (Small flower Umbrellaplant), HETLI (Duck salad), LEFFA (Sprangletop), BAORO (Waterhyssop), AMMCO (Redstem), SAGMO (California arrowhead)³ PFS (pre-flood surface), PPI (pre-plant incorporated), fb. (followed by), Isr (leaf stage of rice), Til (tillers of rice).⁴ Untreated weed control values represent % cover by the respective weed species**Trial Information**

1. Trial seeded June 10, 2004 with 150 lbs per acre of M104
2. Trial managed as a pinpoint flood with flood water drained beginning July 6 for a July 8 application. Flood water begins back into field July 9.
Water lowered to achieve 70% exposure for the July 6 application.
3. Watergrass was 1-3 tiller, ricefield bulrush was 1-2 tiller, ducksalad was 8" on July 6.
Watergrass was 1-3 tiller, ricefield bulrush was 1-2 tiller, ducksalad was 8" on July 6.
4. Spray applications made with 20 gallons/acre using 8002 nozzles.
5. Weather conditions on July 8: Air temperature 65° F, wind 2-4 MPH from the southeast.
Weather conditions on July 6: Air temperature 73° F, water temperature 73°F, wind 0-3 MPH from the southeast.

Table 8. DE638 SC (DE 638) Foliar

Treatment	Rate	Timing ³	Date	Phytotoxicity ¹		Weed Control ²										Yield (lb/A)
				% Stunting	% Stand	ECHPH	SCPMU	LEFFA	HETLI	CYPDI	ECHPH	SCPMU	LEFFA	HETLI		
	(g ai/ha)	Prod./a			12-Jul		12-Jul		20-Jul		5-Oct					
Untreated ⁴	---	---	---	---	0.0	0.0	23.8	17.5	3.5	11.3	12.5	19.0	16.3	2.5	11.3	5105.15
Granite SC + COC	30 + 2.5% v/v	1.7oz + 2.5% v/v	3-4 lsg	28-Jun	0.0	0.0	96.3	97.5	0.0	98.8	100.0	97.5	97.5	0.0	88.8	6417.63
Granite SC + Clincher + COC	30 +280+ 2.5% v/v	1.7oz + 13oz + 2.5% v/v	3-4 lsg	28-Jun	0.0	0.0	95.0	100.0	97.5	98.8	100.0	96.3	97.5	98.8	91.3	6588.05
Clincher + COC	280 + 2.5% v/v	13oz + 2.5% v/v	3-4 lsg	28-Jun	0.0	0.8	98.8	77.5	100.0	12.5	77.5	98.8	47.5	98.8	40.0	6081.13
fb. Granite SC + Stam 80 EDF + COC	fb. 30 + 4480 +2.5% v/v	fb. 1.7oz + 5lb + 2.5% v/v	fb. 5 lsg - 1 Til grass	1-Jul												
Granite SC + COC	30 + 2.5% v/v	1.7oz + 2.5% v/v	3-4 lsg	28-Jun	0.0	0.0	98.8	96.3	23.8	87.5	97.5	95.0	88.8	0.0	86.3	6598.42
fb. Stam 80 EDF + COC	fb. 4480 + 2.5% v/v	fb. 5lb + 2.5% v/v	fb. 5 lsg - 1 Til grass	1-Jul												
Clincher + COC	280 + 2.5% v/v	13oz + 2.5% v/v	3-4 lsg	28-Jun	1.3	0.0	98.8	63.8	100.0	12.5	92.5	97.5	77.5	100.0	5.0	5957.3
fb. Stam 80 EDF + COC	fb. 4480 + 2.5% v/v	fb. 5lb + 2.5% v/v	fb. 5 lsg - 1 Til grass	1-Jul												
Clincher + COC	280 + 2.5% v/v	13oz + 2.5% v/v	3-4 lsg	28-Jun	2.5	0.0	100.0	60.0	100.0	0.0	76.3	96.3	66.3	100.0	3.8	5820.68
fb. Stam 80 EDF + Grandstand + COC	fb. 4480 + 210 + 1.0% v/v	fb. 5lb + 8oz + 2.5% v/v	fb. 5 lsg - 1 Til grass	1-Jul												
Clincher + COC	280 + 2.5% v/v	13oz + 2.5% v/v	3-4 lsg	28-Jun	1.3	0.0	100.0	67.5	100.0	15.0	91.3	96.3	76.3	100.0	6.3	5950.17
fb. Granite SC + Stam 80 EDF + COC	fb. 30 + 4480 + 2.5% v/v	fb. 1.7oz + 5lb + 2.5% v/v	fb. 5 lsg	1-Jul												
Granite SC + COC	30 + 2.5% v/v	1.7oz + 2.5% v/v	1 Til grass	1-Jul	0.0	0.0	91.3	50.0	0.0	0.0	7.5	96.3	10.0	0.0	6.3	5831.73
Clincher + COC	280 + 2.5% v/v	13oz + 2.5% v/v	3-4 lsg	28-Jun	0.0	0.0	96.3	17.5	98.8	12.5	2.5	92.5	22.5	100.0	7.5	5866.58
Stam 80 EDF + COC	4480 + 2.5% v/v	5lb + 2.5% v/v	1 Til grass	1-Jul	0.0	0.0	27.5	52.5	0.0	0.0	77.5	85.0	56.3	25.0	10.0	5605.18
LSD 0.05 634.3																

LSD 0.05 634.3

¹ % Stand (percent stand reduction), % Stunting (percent stunting of rice), % Injury (percent injury to rice)² ECHPH (Late watergrass), SCPMU (Rice field bulrush), CYPDI (Small flower Umbrellaplant), HETLI (Duck salad), LEFFA (Sprangletop), BAORO (Waterhyssop), AMMCO (Redstem) SAGMO (California arrowhead)³ PFS (pre-flood surface), PPI (pre-plant incorporated), fb. (followed by), lsr (leaf stage of rice), Til (tillers of rice).⁴ Untreated weed control values represent % cover by the respective weed species**Trial Information**

1. Trial seeded June 10, 2004 with 150 lbs per acre of M104
2. Trial managed as a pinpoint flood with flood water drained beginning June 25 for a June 28 application. Flood water begins back into field June 30. Water lowered to achieve 70% exposure for the July 1 application.
3. Watergrass was 3-4 leaf, ricefield bulrush was 5 leaf, ducksalad was 4", California arrowhead was 4", waterhyssop was 3-4" on June 28. Watergrass was 4-5 leaf, ricefield bulrush was 5-6 leaf, ducksalad was 8-9", waterhyssop was 4" on July 1.
4. Spray applications made with 20 gallons/acre using 8002 nozzles.
5. Weather conditions on June 28: Air temperature 85° F, wind 0-1 MPH from the south.
Weather conditions on July 1: Air temperature 66° F, water temperature 69°F, wind 0-3 MPH from the northwest.

Table 9. Granite GR (DE 638) in Water

Treatement	Rate	Timing ³	Date	Phytotoxicity ¹		% Weed Control ²								Yield (lb/A)		
				% Stand	% Stunting	ECPH	HETLI	ECPH	SCPMU	HETLI	ECHOR	SCPMU	CYPDI		HETLI	
	(g ai/ha)	Prod./a			7-Jul		7-Jul		22-Jul		6-Aug		13-Oct			
Untreated ⁴	---	---	---	---	0.0	0.0	10.0	10.5	8.8	5.0	8.8	2.75	5	0.25	10	6750
Granite GR	40	15lb	8-9 DAS	6/18/04	16.3	12.5	96.3	100.0	97.5	100.0	100.0	98.75	100	100	100	7437.5
Granite GR	40	15lb	8-9 DAS	6/18/04	13.8	10.0	96.3	100.0	100.0	100.0	100.0	98.75	100	100	100	6952.4
fb. Stam 80 EDF + COC	fb. 4480 + 2.5% v/v	5lb + 2.5% v/v	fb. 1Till													
Granite GR	40	15lb	8-9 DAS	6/18/04	13.8	10.0	97.5	100.0	100.0	100.0	100.0	100	100	100	100	7840.2
fb. Clincher + COC	fb. 280 + 2.5% v/v	13oz + 2.5% v/v	fb. 3-4 lsg													
Granite GR	40	15lb	7-12 DAS	6/18/04	16.3	12.5	98.8	100.0	100.0	100.0	100.0	100	100	100	100	6451.5
fb. Clincher + Stam 80 EDF + COC	fb. 280 + 4480 + 2.5% v/v	13oz + 5lb + 2.5% v/v	fb. 5 lsg	07/01/04												
Granite GR	40	15lb	7-12 DAS	6/18/04												
fb. Clincher + COC	fb. 280 + 2.5% v/v	13oz + 2.5% v/v	fb. 5 lsg	07/01/04	15.0	10.0	97.5	100.0	100.0	100.0	100.0	100	100	100	100	6446.4
fb. Stam 80 EDF + COC	fb. 4480 + 2.5% v/v	5lb + 2.5% v/v	fb. 1 WA 5 lsg	07/08/04												
Bolero + Granite GR	4480 fb. 40	26.6lb fb. 15lb	8-9 DAS	6/18/04	11.3	6.3	98.8	100.0	100.0	100.0	100.0	98.75	100	100	100	6041.1
Cerano	673	12lb	0.5 lsr	6/14/04												
fb. Granite GR	fb. 40	15lb	fb. 8-9 DAS	6/18/04	15.0	12.5	98.8	100.0	100.0	100.0	100.0	100	100	75	100	7391.9
Stam 80 EDF + COC	4480 + 2.5% v/v	5lb + 2.5% v/v	8-9 DAS	07/01/04	0.0	0.0	88.8	63.8	88.8	100.0	0.0	96.25	97.5	100	0	6944.1
Clincher + COC	280 + 2.5% v/v	13oz + 2.5% v/v	8-9 DAS	07/01/04	0.0	0.0	90.0	0.0	95.0	0.0	0.0	100	12.5	75	0	7444.2

LSD 0.05 1577.0

¹ % Stand (percent stand reduction), % Stunting (percent stunting of rice), % Injury (percent injury to rice)² ECHPH (Late watergrass), SCPMU (Rice field bulrush), CYPDI (Small flower Umbrellaplant), HETLI (Duck salad), LEFFA (Sprangletop), BAORO (Waterhyssop), AMMCO (Redstem), SAGMO (California arrowhead)³ fb. (followed by), lsr (leaf stage of rice), Til (tillers of rice).⁴ Untreated weed control values represent % cover by the respective weed species

Trial Information

1. Trial seeded June 10, 2004 with 150 lbs per acre of M104
2. Trial managed as a permanent flood with flood water at 4-5 inches.
3. No weeds were visible when Cerano was applied on June 14.
Watergrass was 2 leaf, Duck salad was 2-3 lf, Ricefield bulrush was 1-3 lf, Red stem was rosette on June 18.
Watergrass was 1-2 tiller, Duck salad was 8-9" tall, Ricefield bulrush was 3-4 lf on July 1.
Watergrass was 2-3 tiller, Duck salad was 8-9" tall, Ricefield bulrush was 7 lf on July 8.
4. Spray applications made with 20 gallons/acre using 8002 nozzles.
5. Weather conditions on June 18: Air temperature 66° F, water temperature 73o F, wind 1-4 MPH from the northwest.
Weather conditions on July 1: Air temperature 65° F, water temperature 69°F, wind 0-1 MPH from the northwest.
Weather conditions on July 8: Air temperature 62° F, water temperature 69°F, wind 0-1 MPH from the northwest.

Table 10. IR5878 continuous flood

Treatment	Rate	Prod./a	Timing ³	Date	Phytotoxicity ¹		% Weed Control ²												Yield (lb/A)
					% Stand	% Stunting	ECPH	SCPMU	HETLI	BAORO	ECPH	SCPMU	HETLI	ECPH	SCPMU	HETLI			
	(g ai/ha)				8-Jul		8-Jul				22-Jul			29-Jul			13-Oct		
Untreated ⁴	---	---	---		0.0	0.0	10.0	2.7	15.0	10.0	5.0	7.0	2.3	8.3	1.3	6.7	5765.2		
IR5878 0.5GR + Cerano	17.5 + 673	0.5oz + 12lb	0.5 Isr	14-Jun	1.3	0.0	91.3	100.0	75.0	68.8	91.3	93.8	95.0	92.5	96.3	88.8	6898.97		
IR5878 0.5GR + Cerano	35 + 673	1.0oz + 12lb	0.5 Isr	14-Jun	2.5	0.0	96.3	100.0	100.0	100.0	98.8	97.5	100.0	100.0	100.0	100.0	6514.27		
IR5878 0.5GR + Cerano	70 + 673	2.0oz + 12lb	0.5 Isr	14-Jun	0.0	0.0	98.3	100.0	93.3	100.0	91.6	66.7	60.0	93.3	100.0	90.0	7166.53		
Londax + Cerano	70 + 673	1.67oz + 12lb	0.5 Isr	14-Jun	6.3	0.0	95.0	100.0	100.0	100.0	97.5	100.0	100.0	97.5	100.0	100.0	6488.9		
Cerano	673	12lb	0.5 Isr	14-Jun	0.0	0.0	96.3	75.0	100.0	26.3	97.5	98.8	97.5	100.0	100.0	97.5	7517.33		
fb. Super Wham	fb. 4480	4qt	fb. 1-3 Til	6-Jul															
Cerano	673	12lb	0.5 Isr	14-Jun	0.0	0.0	96.3	100.0	100.0	40.0	100.0	100.0	97.5	100.0	100.0	93.5	6874.65		
fb. Duet	fb. 4480	4qt	fb. 1-3 Til	6-Jul															
Cerano	673	12lb	0.5 Isr	14-Jun	0.0	0.0	100.0	97.5	91.3	17.5	97.5	70.0	75.0	100.0	97.5	81.3	7135.55		
fb. IR5878 50WG + Super Wham + Kinefb.	17.5 + 4480 + 0.2% v/v	0.5oz + 4qt + 0.2% v/v	fb. 1-3 Til	6-Jul															
Cerano	673	12lb	0.5 Isr	14-Jun	0.0	0.0	95.0	68.8	98.8	28.8	98.8	75.0	98.8	97.5	100.0	91.3	7201.88		
fb. IR5878 50WG + Super Wham + Kine	fb. 35 + 4480 + 0.2% v/v	1.0oz + 4qt + 0.2% v/v	fb. 1-3 Til	6-Jul															
Cerano	673	12lb	0.5 Isr	14-Jun	0.0	0.0	97.5	50.0	81.3	6.3	98.8	100.0	61.3	100.0	98.8	86.3	6997.4		
fb. IR5878 50WG + Super Wham + Kine	fb. 70 + 4480 + 0.2% v/v	2.0oz +4qt + 0.2% v/v	fb. 1-3 Til	6-Jul															
Cerano	673	12lb	0.5 Isr	14-Jun	0.0	0.0	98.8	0.0	80.0	25.0	97.5	97.5	91.3	100.0	100.0	81.3	7448.4		
fb. IR5878 50WG + Duet + Kinetic	fb. 17.5 + 4480 + 0.2% v/v	0.5oz + 4qt + 0.2% v/v	fb. 1-3 Til	6-Jul															
Cerano	673	12lb	0.5 Isr	14-Jun	2.5	0.0	100.0	62.5	97.5	60.0	98.8	100.0	100.0	100.0	100.0	97.5	6912.28		
fb. IR5878 50WG + Duet + Kinetic	fb. 35 + 4480 + 0.2% v/v	1.0oz + 4qt + 0.2% v/v	fb. 1-3 Til	6-Jul															
Cerano	673	12lb	0.5 Isr	14-Jun	0.0	0.0	96.3	37.5	92.5	28.8	97.5	100.0	73.8	100.0	100.0	73.8	7038.65		
fb. IR5878 50WG + Duet + Kinetic	fb. 70 + 4480 + 0.2% v/v	2.0oz +4qt + 0.2% v/v	fb. 1-3 Til	6-Jul															
Cerano	673	12lb	0.5 Isr	14-Jun	0.0	0.0	96.3	0.0	100.0	12.5	93.8	0.0	95.0	96.3	16.3	88.8	7530.67		
Cerano	673	12lb	0.5 Isr	14-Jun	1.7	0.0	95.0	100.0	100.0	100.0	100.0	93.3	100.0	100.0	100.0	100.0	7305.8		
fb. Permit/Sempra + Super Wham	fb. 53 + 4480	1.0oz + 4qt	fb. 1-3 Til	6-Jul															

LSD 0.05 1269.3

¹ % Stand (percent stand reduction), % Stunting (percent stunting of rice), % Injury (percent injury to rice)² ECHPH (Late watergrass), SCPMU (Rice field bulrush), CYPDI (Small flower Umbrellaplant), HETLI (Duck salad), LEFFA (Sprangletop), BAORO (Waterhyssop) AMMCO (Redstem), SAGMO (California arrowhead)³ fb. (followed by), Isr (leaf stage of rice), Til (tillers of rice).⁴ Untreated weed control values represent % cover by the respective weed species

Trial Information

1. Trial seeded June 10, 2004 with 150 lbs per acre of M104
2. Trial managed as a permanent flood with flood water at 4-5 inches.
3. No weeds were visible when Cerano was applied.
Watergrass was 2 tiller, Duck salad was 9" tall, Waterhyssop was 6" tall at time of the 1-3 tiller application.
4. Spray applications made with 20 gallons/acre using 8002 nozzles.
5. Weather conditions on June 14: Air temperature 85° F, wind 3-5 MPH from the northwest.
Weather conditions on July 6: Air temperature 73° F, water temperature 73°F, wind 1-3 MPH from the north.

Table 11. IR 5878 Early pinpoint

Treatment	Rate	Timing ³	Date	Phytotoxicity ¹			% Weed Control ²								Yield (lb/A)		
				% Stand	% Stunting	% Injury	ECHPH	SCPMU	ECHPH	SCPMU	ECHPH	SCPMU	CYPDI	HETLI		LEFFA	
	(g ai/ha)	Prod./a			18-Jun			18-Jun		28-Jun				12-Jul			5-Oct
Untreated ⁴	--		--		0.0	0.0	0.0	5.0	5.0	2.0	5.5	1.3	8.0	2.0	1.3	2.5	3474.8
IR5878 50WG + Kinetic	17.5 + 0.2% v/v	0.5oz + 0.2% v/v	2-3 lsr	5-Jun	18.8	5.0	0.0	78.8	87.5	86.3	73.8	96.3	55.0	30.0	30.0	27.5	3739.9
IR5878 50WG + Kinetic	35 + 0.2% v/v	1.0oz + 0.2% v/v	2-3 lsr	5-Jun	26.3	5.0	0.0	83.8	93.8	92.5	92.5	93.8	67.5	22.5	31.3	26.3	3837.0
IR5878 50WG + Kinetic	60 + 0.2% v/v	1.7oz + 0.2% v/v	2-3 lsr	5-Jun	30.0	7.5	0.0	90.0	85.0	68.8	86.3	92.5	31.3	25.0	25.0	40.0	3257.8
IR5878 50WG + Kinetic	70 + 0.2% v/v	2.0oz + 0.2% v/v	2-3 lsr	5-Jun	30.0	5.0	0.0	87.5	100.0	75.0	66.3	97.5	46.3	0.0	75.0	16.3	3714.7
IR5878 50WG + Kinetic	75 + 0.2% v/v	2.1oz + 0.2% v/v	2-3 lsr	5-Jun	41.7	6.7	0.0	93.3	86.7	83.3	83.3	95.0	40.0	8.3	66.7	33.3	3209.5
IR5878 50WG + Kinetic	60 + 0.2% v/v	1.7oz + 0.2% v/v	2-3 lsr	5-Jun	11.7	8.3	0.0	96.7	100.0	70.0	88.3	100.0	85.0	63.3	66.7	100.0	3140.1
fb. Clincher + COC	fb 315 + 1.25% v/v	15oz + 1.25% v/v/	fb 1-3 Till	21-Jun													
Permit/Sempra	59	1.1oz	2-3 lsr	5-Jun	12.5	3.8	0.0	83.8	72.5	70.0	61.3	98.8	90.0	12.5	100.0	41.3	4224.3
Abolish	3360	1.5qt	2-3 lsr	5-Jun	25.0	5.0	0.0	91.7	100.0	81.7	78.3	100.0	48.3	66.7	75.0	100.0	3919.2
Abolish	4480	2.0qt	2-3 lsr	5-Jun	15.0	5.0	0.0	91.7	100.0	91.7	91.7	100.0	63.3	98.3	91.7	100.0	3870.3
IR5878 50WG + Abolish	75 + 3360	2.1oz + 1.5qt	2-3 lsr	5-Jun	23.3	8.3	0.0	96.7	98.3	80.0	100.0	98.3	81.7	58.3	56.7	100.0	4592.0
IR5878 50WG + Abolish	75 + 4480	2.1oz + 2qt	2-3 lsr	5-Jun	32.5	5.0	0.0	96.3	100.0	75.0	93.8	95.0	38.8	27.5	12.5	97.5	4241.5
IR5878 50WG	75	2.1oz	2-3 lsr	5-Jun	16.7	1.7	0.0	96.7	100.0	100.0	80.0	100.0	68.3	93.3	100.0	80.0	3506.0
+ Super Wham + Kinetic	+ 3360 + 0.2% v/v	3qt + 0.2% v/v	2-3 lsr	5-Jun													
Super Wham + Kinetic	3360 + 0.2% v/v	3qt + 0.2% v/v	2-3 lsr	5-Jun	26.3	1.3	0.0	88.8	100.0	81.3	37.5	85.0	10.0	95.0	78.8	23.8	4249.3
Clincher + COC	315 + 1.25% v/v	15oz + 1.25% v/v/	1-3 Til	21-Jun	7.5	0.0	0.0	25.0	25.0	56.3	38.8	97.5	30.0	88.8	28.8	100.0	3574.8
Londax + Kinetic	70 + 0.2% v/v	1.67oz + 0.2% v/v	2-3 lsr	5-Jun	0.0	1.7	0.0	66.7	100.0	88.3	73.3	100.0	90.0	48.3	83.3	70.0	3758.9
LSD 0.05																	898.4

¹ % Stand (percent stand reduction), % Stunting (percent stunting of rice), % Injury (percent injury to rice)

² ECHPH (Late watergrass), SCPMU (Rice field bulrush), CYPDI (Small flower Umbrellaplant), HETLI (Duck salad), LEFFA (Sprangletop), BAORO (Waterhyssop), AMMCO (Redstem), SAGMO (California arrowhead)

³ fb. (followed by), lsr (leaf stage of rice), Til (tillers of rice).

⁴ Untreated weed control values represent % cover by the respective weed species

Trial Information

1. Trial seeded May 20, 2004 with 150 lbs per acre of M202
2. Trial managed as a pinpoint flood with flood water dropped on June 2nd, applications made on June 5, reflood on June 6. Flood water dropped to achieve 70% weed exposure for the 1-3 tiller application on June 21.
3. Watergrass was 2-3 leaf, ricefield bulrush was 3 leaf, Duck salad was 2-3 leaf at time of first application. Watergrass was 4-5 leaf, ricefield bulrush was 1-2 tiller, Duck salad was 4-5 leaf at time of second application.
4. Spray applications made with 20 gallons/acre using 8002 nozzles.
5. Weather conditions on June 5: Air temperature 62° F, wind 1-3 MPH from the southwest.
Weather conditions on June 21: Air temperature 83° F, water temperature 81°F, wind 1-3 MPH from the north.

Table 12. IR 5878 Late pinpoint

Treatment	Rate	Prod./a	Timing ³	Date	Phytotoxicity ¹			% Weed Control ²													Yield (lb/A)		
					% Stand	% Stunting	% Injury	ECHPH	SCPMU	BAORO	HETLI	LEFFA	ECHPH	SCPMU	LEFFA	HETLI	ECHPH	SCPMU	LEFFA	HETLI		CYPDI	AMMCO
					28-Jun			28-Jun					7-Jul				20-Jul					5-Oct	
Untreated ⁴	---	---	---	---	0.0	0.0	0.0	3.5	20.0	10.5	16.3	2.0	15.5	48.8	1.0	10.5	9.3	38.8	2.0	1.3	4.0	4.8	3685.0
IR5878 50WG + Kinetic	17.5 + 0.2% v/v	0.5oz + 0.2% v/v	5-6 Isr	16-Jun	10.0	0.0	1.7	36.7	58.3	100.0	90.0	0.0	25.0	3.3	0.0	0.0	80.0	85.0	0.0	23.3	13.3	10.0	3858.9
IR5878 50WG + Kinetic	35 + 0.2% v/v	1.0oz + 0.2% v/v	5-6 Isr	16-Jun	5.0	0.0	7.5	71.3	78.8	86.3	85.0	53.8	81.3	56.3	47.5	30.0	95.0	91.3	81.3	78.8	63.8	55.0	4377.5
IR5878 50WG + Kinetic	60+0.2% v/v	1.7oz + 0.2% v/v	5-6 Isr	16-Jun	6.7	0.0	10.0	91.7	63.3	91.7	93.3	56.7	90.0	58.3	95.0	45.0	100.0	93.3	88.3	80.0	40.0	76.7	4142.9
IR5878 50WG + Kinetic	70 + 0.2% v/v	2.0oz + 0.2% v/v	5-6 Isr	16-Jun	8.8	2.5	7.5	70.0	72.5	96.3	97.5	46.3	53.8	52.5	41.3	50.0	90.0	93.8	60.0	81.3	66.3	18.8	4400.1
IR5878 50WG + Kinetic	75+ 0.2% v/v	2.1oz + 0.2% v/v	5-6 Isr	16-Jun	10.0	5.0	7.5	81.3	52.5	86.3	91.3	55.0	81.3	37.5	42.5	27.5	93.8	92.5	68.8	73.8	51.3	27.5	4002.3
Super Wham + Kinetic	4480 + 0.2% v/v	4qt + 0.2% v/v	5-6 Isr	16-Jun	0.0	0.0	0.0	13.8	82.5	31.3	30.0	0.0	2.5	76.3	0.0	23.8	77.5	75.0	0.0	77.5	85.0	83.8	5602.9
IR5878 50WG + Super Wham + Kine	75 + 4480+ 0.2% v/v	2.1oz + 4qt + 0.2% v/v	5-6 Isr	16-Jun	3.3	0.0	6.7	81.7	96.7	93.3	78.3	80.0	83.3	86.7	78.3	51.7	96.7	95.0	83.3	76.7	100.0	100.0	5177.9
IR5878 50WG + Super Wham + Kine	17.5 + 4480 + 0.2% v/v	0.5oz + 4qt + 0.2% v/v	5-6 Isr	16-Jun	1.7	0.0	6.7	85.0	96.7	70.0	65.0	90.0	86.7	98.3	41.7	68.3	96.7	95.0	26.7	75.0	95.0	90.0	4860.7
IR5878 50WG + Super Wham + Kine	35 + 4480 + 0.2% v/v	1.0oz + 4qt + 0.2% v/v	5-6 Isr	16-Jun	6.7	0.0	5.0	55.0	98.3	73.3	73.3	90.0	61.7	91.7	33.3	31.7	93.3	86.7	8.3	56.7	96.7	93.3	4895.2
IR5878 50WG + Super Wham + Kine	70 + 4480 + 0.2% v/v	2.0oz + 4qt + 0.2% v/v	5-6 Isr	16-Jun	8.3	0.0	13.3	61.7	96.7	58.3	86.3	81.7	78.3	96.7	63.3	41.7	90.0	95.0	58.3	90.0	100.0	93.3	4729.1
IR5878 50WG + Super Wham + Kine	75 + 6720+ 0.2% v/v	2.1oz + 6qt + 0.2% v/v	5-6 Isr	16-Jun	0.0	0.0	2.5	63.8	73.8	73.8	86.3	47.5	37.5	88.8	30.0	51.3	85.0	95.0	20.0	75.0	92.5	92.5	4683.0
Clincher + COC	315 + 1.25% v/v	15oz + 1.25% v/v	1-3 Til	21-Jun	0.0	0.0	0.0	60.0	3.3	0.0	8.3	98.3	71.7	0.0	96.7	0.0	91.7	0.0	100.0	76.7	55.0	6.7	4196.5
IR5878 50WG + Kinetic	75 + 0.2% v/v	2.1oz + 0.2% v/v	5-6 Isr	16-Jun	8.3	5.0	15.0	91.7	56.7	91.7	68.3	81.7	91.7	80.0	98.3	25.0	98.3	93.3	91.7	73.3	73.3	25.0	4087.6
fb. Clincher + COC	fb. 315 + 1.25% v/v	15oz + 1.25% v/v	fb. 1-3 Til	21-Jun																			
IR5878 50WG + Duet + Kinetic	17.5 + 4480 + 0.2% v/v	0.5oz + 4qt + 0.2% v/v	5-6 Isr	16-Jun	1.3	0.0	5.0	27.5	95.0	91.3	62.5	40.0	53.8	90.0	35.0	47.5	80.0	98.8	31.3	95.0	93.8	97.5	5332.7
IR5878 50WG + Duet + Kinetic	35 + 4480 + 0.2% v/v	1.0oz + 4qt + 0.2% v/v	5-6 Isr	16-Jun	0.0	0.0	0.0	18.8	81.3	97.5	52.5	23.8	52.5	82.5	18.8	35.0	92.5	98.8	10.0	81.3	86.3	97.5	5317.1
IR5878 50WG + Duet + Kinetic	70 + 4480 + 0.2% v/v	2.0oz + 4qt + 0.2% v/v	5-6 Isr	16-Jun	2.5	0.0	3.8	28.8	88.8	95.0	68.8	40.0	52.5	87.5	51.3	6.3	76.3	98.8	62.5	86.3	95.0	96.3	5451.6
Duet + Kinetic	4480 + 0.2% v/v	4qt + 0.2% v/v	5-6 Isr	16-Jun	6.3	0.0	6.3	41.3	80.0	73.8	65.0	22.5	42.5	75.0	45.0	26.3	90.0	97.5	68.8	82.5	95.0	90.0	4893.3
Londax + Kinetic	70 + 0.2% v/v	1.67oz + 0.2% v/v	5-6 Isr	16-Jun	1.7	0.0	5.0	5.0	85.0	91.7	51.7	55.0	38.3	73.3	70.0	40.0	83.3	95.0	66.7	75.0	68.3	61.7	4462.4
Permit/Sempra	59	1.1oz	5-6 Isr	16-Jun	3.3	0.0	10.0	68.3	80.0	100.0	88.3	91.7	71.7	98.3	85.0	83.3	93.3	98.3	96.7	86.7	86.7	90.0	4921.1
Regiment + Kinetic	45 + 0.2% v/v	0.8oz + 0.2% v/v	5-6 Isr	16-Jun	7.5	0.0	0.0	71.3	91.3	100.0	97.5	27.5	90.0	82.5	18.8	68.8	95.0	100.0	6.3	87.5	92.5	43.8	5295.8
LSD 0.05																							1005.5

¹ % Stand (percent stand reduction), % Stunting (percent stunting of rice), % Injury (percent injury to rice)
² ECHPH (Late watergrass), SCPMU (Rice field bulrush), CYPDI (Small flower Umbrellaplant), HETLI (Duck salad), LEFFA (Sprangletop), BAORO (Waterhyssop)
AMMCO (Redstem), SAGMO (California arrowhead)
³ fb. (followed by), Isr (leaf stage of rice), Til (tillers of rice).
⁴ Untreated weed control values represent % cover by the respective weed species

Trial Information

1. Trial seeded May 20, 2004 with 150 lbs per acre of M202
2. Trial managed as a pinpoint flood with flood water dropped on June 14, applications made on June 16, reflood on June 18.
Flood water dropped to achieve 70% weed exposure for the 1-3 tiller application on June 21.
3. Watergrass was 4-5 leaf, ricefield bulrush was 4 leaf, Duck salad was 2-3 leaf, Red stem was 3 leaf, Waterhyssop was 1-2 inces at time of first application.
Watergrass was 1-2 tiller, ricefield bulrush was 2-3 tiller, Duck salad was 4 leaf, Red stem was 3-4 leaf, Waterhyssop was 3-4 inches at time of second application.
4. Spray applications made with 20 gallons/acre using 8002 nozzles.
5. Weather conditions on June 16: Air temperature 83° F, wind 1-4 MPH from the northeast.
Weather conditions on June 21: Air temperature 83° F, water temperature was 81°F, wind 1-3MPH from the north

Table 13. Dry seeded trial

Treatment	Rate	Prod./a	Timing ³	Date	Phytotoxicity ¹		Weed Control ²										Yield (lb/A)					
					% Stunt	% Stand	ECHPH	SCPMU	CYPDI	AMMCO	LEFFA	ECHPH	SCPMU	LEFFA	ECHPH	SCPMU		LEFFA				
	(g ai/ha)						22-Jun								8-Jul							1-Oct
Untreated ⁴	---	---	---	---	---	0.0	0.0	27.5	1.0	1.0	1.5	15.0	16.7	1.7	20.0	16.7	1.0	21.7	3214.9			
Sofit	450	20.6oz	PFPE	25-May		0.0	0.0	56.3	100.0	100.0	98.8	100.0	26.3	75.0	72.5	20.0	25.0	68.8	3796.4			
Sofit	650	29.7oz	PFPE	25-May		0.0	0.0	83.8	100.0	100.0	100.0	96.3	18.8	100.0	66.3	11.3	97.5	63.8	4332.1			
Sofit fb. Super Wham + COC	450 fb. 6720 + 1.25 % v/v	20.6oz fb. 6qt + 1.25% v/v	PFPE fb. 5-6 Isr	25-May	16-Jun	0.0	0.0	81.3	100.0	100.0	100.0	93.8	51.3	100.0	30.0	53.8	95.0	61.3	4914.9			
Sofit fb. Super Wham + COC	650 fb. 6720 + 1.25 % v/v	29.7oz fb. 6qt + 1.25%	PFPE fb. 5-6 Isr	25-May	16-Jun	0.0	0.0	82.5	100.0	100.0	100.0	86.3	62.5	100.0	38.8	77.5	75.0	61.3	5173.7			
Sofit fb. Clincher + COC	450 fb. 315 + 1.25 % v/v	20.6oz fb. 15oz + 1.25% v/v	PFPE fb. 5-6 Isr	25-May	16-Jun	0.0	0.0	98.8	100.0	100.0	100.0	100.0	98.8	97.5	95.0	93.8	25.0	95.0	5800.7			
Sofit fb. Clincher + COC	650 fb. 315 + 1.25 % v/v	29.7oz fb. 15oz + 1.25%	PFPE fb. 5-6 Isr	25-May	16-Jun	0.0	0.0	97.0	100.0	100.0	100.0	100.0	96.3	100.0	100.0	91.3	97.5	91.3	6710.7			
Sofit fb. Regiment + Kinetic	450 fb. 12.5 + 0.125% v/v	20.6oz fb. 0.22oz + 0.125% v/v	PFPE fb. PPF	25-May	23-Jun	0.0	0.0	65.0	100.0	100.0	95.8	97.5	45.0	98.8	63.8	43.8	75.0	67.5	4965.1			
Sofit fb. Regiment + Kinetic	650 fb. 12.5 + 0.125% v/v	29.7oz fb. 0.22oz + 0.125%	PFPE fb. PPF	25-May	23-Jun	0.0	0.0	70.0	97.5	100.0	95.0	95.0	60.0	93.8	72.5	54.5	75.0	67.5	4725.8			
Prowl	1120	1.2qt	PFPE	25-May		0.0	0.0	76.3	100.0	100.0	100.0	98.8	28.8	100.0	78.8	27.5	50.0	92.5	4283.1			
Prowl fb. Super Wham + COC	1120 fb. 6720 + 1.25 % v/v	1.2qt fb. 6qt + 1.25% v/v	PFPE fb. 5-6 Isr	25-May	16-Jun	0.0	0.0	90.0	100.0	100.0	100.0	100.0	91.7	23.3	83.3	85.0	0.0	81.7	5261.2			
Prowl fb. Clincher + COC	1120 fb. 315 + 1.25 % v/v	1.2qt fb. 15oz + 1.25% v/v	PFPE fb. 5-6 Isr	25-May	16-Jun	0.0	0.0	93.8	100.0	100.0	100.0	100.0	95.0	75.0	96.3	90.0	0.0	96.3	5500.6			
Prowl fb. Regiment + Kinetic	1120 fb. 12.5 + 0.125% v/v	1.2qt fb. 0.22oz + 1.25% v/v	PFPE fb. PPF	25-May	23-Jun	0.0	0.0	82.5	75.0	100.0	100.0	98.8	87.5	75.0	67.5	68.8	25.0	85.0	4623.8			
Abolish	4480	2qt	PFPE	25-May		0.0	0.0	58.8	98.8	100.0	100.0	97.5	5.0	67.5	58.8	0.0	25.0	90.0	3813.5			
Abolish fb. Super Wham + COC	4480 fb. 6720 + 1.25 % v/v	2qt fb. 6qt + 1.25% v/v	PFPE fb. 5-6 Isr	25-May	16-Jun	0.0	0.0	87.8	100.0	100.0	100.0	100.0	66.3	100.0	70.0	58.8	50.0	85.0	5058.3			
Abolish fb. Clincher + COC	4480 fb. 315 + 1.25 % v/v	2qt fb. 15oz + 1.25% v/v	PFPE fb. 5-6 Isr	25-May	16-Jun	0.0	0.0	97.0	100.0	100.0	100.0	100.0	97.5	91.3	98.8	97.5	25.0	98.8	6122.7			
Abolish fb. Regiment + Kinetic	4480 fb. 12.5 + 0.125% v/v	2qt fb. 0.22oz + 0.125% v/v	PFPE fb. PPF	25-May	23-Jun	0.0	0.0	65.0	100.0	100.0	100.0	92.5	68.8	100.0	75.0	61.3	75.0	71.3	5042.9			
Regiment + Abolish fb. Clincher + COC	15 + 2240 fb. 315 + 1.25 % v/v	0.27oz + 1qt fb. 15oz + 1.25% v/v	4-5 Isr fb. PPF	8-Jun	23-Jun	0.0	0.0	42.5	97.5	100.0	100.0	62.5	63.8	100.0	98.8	42.5	75.0	93.8	4160.4			
Regiment + Abolish fb. Clincher + COC	25 + 3360 fb. 315 + 1.25 % v/v	0.45oz + 1.5qt fb. 15oz + 1.25% v/v	4-5 Isr fb. PPF	8-Jun	23-Jun	0.0	0.0	25.0	50.0	50.0	73.8	47.5	38.8	68.8	90.0	27.5	50.0	93.8	4508.2			
Shark fb. Clincher + COC	168 fb. 315 + 1.25% v/v	6oz fb. 15oz + 1.25% v/v	5-6 Isr fb. PPF	16-Jun	23-Jun	0.0	0.0	53.8	98.8	100.0	92.5	50.0	52.5	70.0	91.3	71.3	25.0	75.0	4384.6			
Shark fb. Super Wham + COC	168 fb. 6720 + 1.25% v/v	6oz fb. 6qt + 1.25% v/v	5-6 Isr fb. PPF	16-Jun	23-Jun	0.0	0.0	31.3	100.0	100.0	100.0	22.5	85.0	100.0	6.7	71.7	100.0	0.0	4147.4			
Shark fb. Regiment + Kinetic	168 fb. 12.5 + 0.125% v/v	6oz fb. 0.22oz + 1.25% v/v	5-6 Isr fb. PPF	16-Jun	23-Jun	0.0	0.0	80.0	100.0	100.0	100.0	0.0	90.0	100.0	0.0	80.0	100.0	10.0	3683.7			
Super Wham + COC fb. Clincher + COC	3720 + 1.25% v/v fb. 315 + 1.25% v/v	6qt + 1.25% fb. 15oz + 1.25% v/v	5-6 Isr fb. PPF	16-Jun	23-Jun	0.0	0.0	80.8	87.5	87.5	100.0	12.5	91.3	93.8	66.3	95.0	0.0	56.3	5137.3			
Clincher + COC fb. Superwham + COC	280 + 1.25% v/v fb. 6720 + 1.25% v/v	13oz + 1.25% v/v fb. 6qt + 1.25% v/v	5-6 Isr fb. PPF	16-Jun	23-Jun	0.0	0.0	95.0	97.5	97.5	70.0	100.0	96.3	75.0	45.0	98.8	0.0	80.0	5494.7			
Super Wham + Abolish fb. Super Wham(+Abolish	3360 + 3360 fb. 3360-4480?	3qt + 1.5qt fb. 3qt	3-4 Isr fb. 5-6 Isr	8-Jun	16-Jun	0.0	0.0	92.5	100.0	100.0	100.0	72.5	98.8	100.0	20.0	96.3	72.5	15.0	4996.4			
LSD 0.05																					1135.3	

LSD 0.05 1135.3

¹ % Stand (percent stand reduction), % Stunting (percent stunting of rice), % Injury (percent injury to rice)
² ECHPH (Late watergrass), SCPMU (Rice field bulrush), CYPDI (Small flower Umbrellaplant), HETLI (Duck salad), LEFFA (Sprangletop), BAORO (Waterhyssop), AMMCO (Redstem), SAGMO (California arrowhead)
³ fb. (followed by), Isr (leaf stage of rice), Til (tillers of rice), PFPE (post flush pre emergent), PPF (post permanent flood)
⁴ Untreated weed control values represent % cover by the respective weed species

Trial Information

1. Trial drill seeded May 13, 2004 with 150 lbs per acre of M202, first flush for establishment May 19.
2. Trial managed for establishment using flush irrigation, permanent flood began June 18.
Flood water dropped to achieve 70% weed exposure for the application on June 23.
3. No weeds were present for the May 25 application.
Watergrass was 1-2 leaf, redstem was rosette, sprangletop 1-2 leaf at time of the June 8 application.
Watergrass was 5 leaf, redstem was 3", sprangletop 3-4 leaf at time of the June 16 application.
Watergrass was 2-3 tiller, redstem was 6", sprangletop 5 leaf at time of the June 23 application.
4. Spray applications made with 20 gallons/acre using 8002 nozzles.
5. Weather conditions on May 25: Air temperature 68° F, wind 0-3 MPH from the south.
Weather conditions on June 8: Air temperature 75° F, wind 1-2 MPH from the north.
Weather conditions on June 16: Air temperature 86° F, wind 2-6 MPH from the east.
Weather conditions on June 23: Air temperature 64° F, wind 0-1 MPH from the south.

Table 14. Clincher Super Wham

Treatment	Rate	Timing ³	Date	Phytotoxicity ¹		% Weed Control ²										Yield (lb/A)			
				% Stunting	% Stand	ECHPH	SCPMU	HETLI	ECHPH	SCPMU	CYPDI	HETLI	ECHPH	SCPMU	CYPDI		LEFFA	AMMCO	
(g ai/ha)	Prod./a			7-Jul	7-Jul	22-Jul	4-Aug	8-Oct											
Untreated ⁴	---	---	---	0.0	0.0	9.0	26.3	1.5	12.0	35.0	10.0	3.5	17.5	37.5	13.3	2.5	7.0	5668.5	
Clincher + COC	39.5 + 1.25% v/v	1.9oz + 1.25% v/v	1-3 Til	21-Jun	0.0	0.0	32.5	0.0	37.5	30.0	35.0	25.0	58.8	16.3	17.5	20.0	92.5	43.8	5851.6
Clincher + COC	79 + 1.25% v/v	3.8oz + 1.25% v/v	1-3 Til	21-Jun	0.0	0.0	23.8	0.0	15.0	56.3	7.5	2.5	37.5	27.5	7.5	26.3	100.0	45.0	5719.0
Clincher + COC	83 + 1.25% v/v	4.0oz + 1.25% v/v	1-3 Til	21-Jun	0.0	0.0	27.5	0.0	33.8	76.3	32.5	7.5	65.0	55.0	30.0	21.3	100.0	46.3	6627.0
Clincher + COC	104 + 1.25% v/v	5.0oz + 1.25% v/v	1-3 Til	21-Jun	0.0	0.0	17.5	0.0	41.3	61.3	43.8	30.0	42.5	38.8	43.8	33.8	100.0	43.8	5969.3
Clincher + COC	125 + 1.25% v/v	6.0oz + 1.25% v/v	1-3 Til	21-Jun	0.0	0.0	46.3	0.0	47.5	72.5	15.0	12.5	20.0	66.3	6.3	2.5	100.0	30.0	5750.2
Clincher + COC	158 + 1.25% v/v	7.5oz + 1.25% v/v	1-3 Til	21-Jun	0.0	0.0	68.8	2.5	66.3	87.5	26.3	17.5	23.8	78.8	31.3	18.8	97.5	22.5	6157.2
Clincher + COC	316 + 1.25% v/v	15oz + 1.25% v/v	1-3 Til	21-Jun	0.0	0.0	78.8	2.5	55.0	91.3	53.8	71.3	76.3	92.5	22.5	56.3	97.5	61.3	6155.4
Super Wham + COC	2240 + 1.25% v/v	2qt + 1.25% v/v	1-3 Til	21-Jun	0.0	1.3	68.8	62.5	67.5	77.5	82.5	83.8	90.0	75.0	82.5	86.3	97.5	55.0	7191.9
Super Wham + COC	4480 + 1.25% v/v	4qt + 1.25% v/v	1-3 Til	21-Jun	0.0	0.0	67.5	83.8	65.0	75.0	82.5	93.8	93.8	75.0	86.3	91.3	100.0	80.0	7551.7
Super Wham + COC	5605 + 1.25% v/v	5qt + 1.25% v/v	1-3 Til	21-Jun	0.0	0.0	60.0	83.8	92.5	83.8	92.5	100.0	90.0	72.5	88.8	95.0	100.0	73.8	7181.3
Super Wham + COC	6720 + 1.25% v/v	6qt + 1.25% v/v	1-3 Til	21-Jun	0.0	0.0	46.3	91.3	87.5	78.8	91.3	100.0	92.5	70.0	90.0	96.3	100.0	78.8	8091.7
Clincher + Super Wham + COC	39.5 + 2240 + 1.25% v/v	1.9oz + 2qt + 1.25% v/v	1-3 Til	21-Jun	0.0	0.0	28.8	78.8	67.5	52.5	75.0	67.5	77.5	51.3	83.8	73.8	100.0	52.5	7018.7
Clincher + Super Wham + COC	39.5 + 4480 + 1.25% v/v	1.9oz + 4qt + 1.25% v/v	1-3 Til	21-Jun	0.0	0.0	66.3	87.5	57.5	86.3	88.8	87.5	90.0	76.3	88.8	86.3	97.5	78.8	7145.0
Clincher + Super Wham + COC	39.5 + 6720 + 1.25% v/v	1.9oz + 6qt + 1.25% v/v	1-3 Til	21-Jun	0.0	0.0	56.3	87.5	87.5	83.8	90.0	100.0	97.5	72.5	86.3	95.0	92.5	85.0	7440.8
Clincher + Super Wham + COC	79 + 2240 + 1.25% v/v	3.8oz + 2qt + 1.25% v/v	1-3 Til	21-Jun	0.0	1.3	43.8	50.0	66.3	78.8	66.3	70.0	45.0	72.5	70.0	82.5	100.0	35.0	7319.8
Clincher + Super Wham + COC	79 + 4480 + 1.25% v/v	3.8oz + 4qt + 1.25% v/v	1-3 Til	21-Jun	0.0	0.0	65.0	63.8	42.5	83.8	77.5	90.0	70.0	75.0	78.8	83.8	97.5	42.5	7295.5
Clincher + Super Wham + COC	79 + 6720 + 1.25% v/v	3.8oz + 6qt + 1.25% v/v	1-3 Til	21-Jun	0.0	0.0	72.5	91.3	81.3	85.0	91.3	100.0	90.0	82.5	92.5	95.0	97.5	80.0	7721.4
Clincher + Super Wham + COC	158 + 2240 + 1.25% v/v	7.5oz + 2qt + 1.25% v/v	1-3 Til	21-Jun	0.0	0.0	83.8	82.5	57.5	86.3	68.8	68.8	82.5	81.3	65.0	65.0	97.5	62.5	8166.4
Clincher + Super Wham + COC	158 + 4480 + 1.25% v/v	7.5oz + 4qt + 1.25% v/v	1-3 Til	21-Jun	0.0	0.0	91.3	83.8	58.8	92.5	86.3	93.8	96.3	87.5	85.0	95.0	97.5	83.8	8763.5
Clincher + Super Wham + COC	158 + 6720 + 1.25% v/v	7.5oz + 6qt + 1.25% v/v	1-3 Til	21-Jun	0.0	0.0	91.3	87.5	65.0	92.5	85.0	98.8	92.5	93.8	85.0	96.3	91.3	60.0	7174.6
Clincher + Super Wham + COC	316 + 2240 + 1.25% v/v	15oz + 2qt + 1.25% v/v	1-3 Til	21-Jun	0.0	0.0	85.0	73.8	66.3	90.0	70.0	72.5	78.8	83.8	68.8	70.0	100.0	42.5	8178.4
Clincher + Super Wham + COC	316 + 4480 + 1.25% v/v	15oz + 4qt + 1.25% v/v	1-3 Til	21-Jun	0.0	0.0	88.8	85.0	71.3	91.3	82.5	96.3	88.8	90.0	81.3	88.8	97.5	81.3	7737.8
Clincher + Super Wham + COC	316 + 6720 + 1.25% v/v	15oz + 6qt + 1.25% v/v	1-3 Til	21-Jun	0.0	0.0	91.3	85.0	56.3	95.0	88.8	91.3	93.8	93.8	88.8	92.5	85.0	87.5	8374.3
Clincher + Super Wham + COC	84 + 4480 + 1.25% v/v	4oz + 4qt + 1.25% v/v	1-3 Til	21-Jun	0.0	0.0	77.5	77.5	73.8	82.5	85.0	91.3	90.0	78.8	82.5	86.3	97.5	70.0	8476.6
Clincher + Super Wham + COC	105 + 5605 + 1.25% v/v	5oz + 5qt + 1.25% v/v	1-3 Til	21-Jun	0.0	0.0	83.8	87.5	61.3	92.5	88.8	96.3	93.8	86.3	88.8	97.5	75.0	85.0	8450.9
Clincher + Super Wham + COC	126 + 6720 + 1.25% v/v	6oz + 6qt + 1.25% v/v	1-3 Til	21-Jun	0.0	0.0	86.3	87.5	62.5	91.3	91.3	100.0	93.8	91.3	87.5	97.5	100.0	87.5	8562.7
LSD 0.05																			1371.9

¹ % Stand (Percent stand reduction), % Stunting (Percent stunting of rice), % Injury (percent injury to rice)
² ECHPH (Late watergrass), SCPMU (Rice field bulrush), CYPDI (Small flower Umbrellaplant), HETLI (Duck salad)
 LEFFA (Sprangletop), BAORO (Waterhyssop), AMMCO (Redstem)
³ fb. (followed by), lsr (leaf stage of rice), Til (tillers of rice).
⁴ Untreated weed control values represent % cover by the respective weed species

Trial Information

1. Trial seeded May 20, 2004 with 150 lbs per acre of M202
2. Trial managed as a pinpoint flood with flood water lowered on June 20 for 70% weed exposure, applications made on June 21, reflood on June 22.
3. Watergrass was 1-2 tiller, ricefield bulrush was 2-3 tiller, Duck salad was 4 leaf, Red stem was 3-4 leaf, Waterhyssop was 3-4 inches at time of second application.
4. Spray applications made with 20 gallons/acre using 8002 nozzles.
5. Weather conditions on June 21: Air temperature 80° F, water temperature was 80° F, wind 1-3 MPH from the north

Table 15. Shark H2O Early seeding

Treatment	Rate	Prod./a	Timing ³	Date	Phytotoxicity ¹						Weed Control ²						Yield (lb/A)		
					% Stunting	% Stand	% Injury	% Stunting	% Stand	% Injury	SCPMU	ECHPH	SCPMU	ECHPH	SCPMU	LEFFA		CYPDI	
	(g ai/ha)				28-May			18-Jun			28-May	18-Jun		28-Jul			19-Oct		
Untreated ⁴	--		--		0.0	0.0	0.0	0.0	0.0	0.0	1.8	12.5	13.8	17.5	35.0	0.8	11.3	6907.7	
Cerano	673	12lb	0.5 lsr	5/17/04	0.0	1.0	26.3	3.8	3.8	0.0	0.0	71.3	7.5	100.0	0.0	100.0	0.0	6349.7	
Cerano fb. Shark	673 fb. 224	12lb fb. 8oz	0.5 fb. 0.5 lsr	5/17/04	5/17/04	4.0	28.3	16.7	6.7	1.7	0.0	100.0	95.0	96.7	96.7	91.7	100.0	100.0	8380.9
Cerano fb. Shark	673 fb. 224	12lb fb. 8oz	0.5 fb 2.0 lsr	5/17/04	5/21/04	0.0	1.5	18.8	3.8	6.3	5.0	75.0	95.0	100.0	100.0	72.5	100.0	100.0	8458.4
Cerano fb. Shark	673 fb. 224	12lb fb. 8oz	0.5 fb.3.0 lsr	5/17/04	5/27/04	0.3	0.3	5.7	3.3	6.7	5.0	66.7	91.7	95.0	100.0	85.0	100.0	100.0	8423.5
Cerano fb. Shark	673 fb. 224	12lb fb. 8oz	0.5 fb.4.0 lsr	5/17/04	6/3/04	0.0	8.3	37.5	5.0	0.5	2.5	22.5	97.5	98.8	98.8	85.0	100.0	100.0	8584.6
Shark	224	8oz	0.5 lsr	5/17/04		0.3	1.8	0.0	0.5	2.5	0.0	97.5	51.3	90.0	25.0	95.0	72.5	100.0	7080.9
Shark	224	8oz	2.0 lsr	5/21/04		0.0	2.5	0.0	2.5	3.8	2.5	77.5	31.3	58.8	21.3	83.8	71.3	100.0	7615.8
Shark	224	8oz	3.0 lsr	5/27/04		0.0	0.3	0.0	0.0	1.7	1.7	60.0	63.3	81.7	50.0	88.3	65.0	100.0	8278.8
Shark	224	8oz	4.0 lsr	6/3/04		0.0	0.0	0.0	2.5	0.0	2.5	0.0	55.0	96.3	22.5	93.8	47.5	100.0	7464.0
LSD 0.05																		2300.6	

¹ % Stand (Percent stand reduction), % Stunting (Percent stunting of rice), % Injury (percent injury to rice)

² ECHPH (Late watergrass), SCPMU (Rice field bulrush), CYPDI (Small flower Umbrellaplant), HETLI (Duck salad)
LEFFA (Sprangletop), BAORO (Waterhyssop), AMMCO (Redstem), SAGMO (California arrowhead)

³ fb. (followed by), lsr (leaf stage of rice), Til (tillers of rice).

⁴ Untreated weed control values represent % cover by the respective weed species

Trial Information

1. Trial seeded May 11, 2004 with 150 lbs per acre of M202
2. Trial managed as a permanent flood.
3. No weeds visible for the May 17 application of Cerano.
Watergrass was 2 leaf, sedges were 2 leaf for the May 21 application
Watergrass was 3-4 leaf, sedges were 3 leaf for the May 27 application
Watergrass was 4-5 leaf, sedges were 4 leaf for the June 3 application
4. Weather conditions on May 17: Air temperature 75° F, wind 2-6 MPH from the north
Weather conditions on May 21: Air temperature 74o F, water temperature 78oF, wind 2-4 MPH from the north
Weather conditions on May 27: Air temperature 75o F, wind 2-4 MPH from the west
Weather conditions on June 3: Air temperature 72o F, wind 2-6 MPH from the northwest

Table 16. Shark H2O late seeding

Treatment	Rate	Timing ³	Date	Phytotoxicity ¹			Weed Control ²								Yield (lb/A)
				% Stunting	% Stand	% Injury	ECHPH	SCPMU	HETLI	ECHPH	SCPMU	HETLI	ECHPH	SCPMU	
	(g ai/ha)	Prod./a					28-Jun		28-Jun		8-Jul		22-Jul		14-Oct
Untreated ⁴	--		--				0.0 7.5 0.0		5.0 1.8 4.3		6.8 2.8 5.5		8.3 7.5 10.0 32.5		5438.9
Cerano	673	12lb	0.5 lsr	6/14/04			2.5 10.0 6.3		0.0 18.8 16.3		83.8 50.0 100.0		93.8 0.0 100.0 47.5		5714.6
Cerano fb. Shark	673 fb. 224	12lb fb. 8oz	0.5 fb. 0.5 lsr	6/14/04	6/14/04		3.8 10.0 6.3		2.5 97.5 100.0		95.0 100.0 100.0		98.8 100.0 100.0 100.0		5501.8
Cerano fb. Shark	673 fb. 224	12lb fb. 8oz	0.5 fb 1.0 lsr	6/14/04	6/16/04		0.0 6.3 8.8		0.0 83.8 77.5		90.0 75.0 100.0		96.3 100.0 100.0 100.0		5635.8
Cerano fb. Shark	673 fb. 224	12lb fb. 8oz	0.5 fb 2.0 lsr	6/14/04	6/18/04		0.0 5.0 7.5		0.0 17.5 41.3		100.0 75.0 100.0		100.0 100.0 100.0 100.0		5963.0
Cerano fb. Shark	673 fb. 224	12lb fb. 8oz	0.5 fb.3.0 lsr	6/14/04	6/21/04		2.5 12.5 2.5		0.0 92.5 67.5		95.0 100.0 100.0		100.0 100.0 100.0 100.0		6319.9
Shark	224	8oz	0.5 lsr	6/14/04			5.0 16.3 1.3		0.0 97.5 98.8		82.5 100.0 100.0		86.3 100.0 100.0 100.0		5942.4
Shark	224	8oz	1.0 lsr	6/16/04			0.0 7.5 0.0		0.0 60.0 50.0		82.5 100.0 100.0		82.5 100.0 100.0 100.0		6011.1
Shark	224	8oz	2.0 lsr	6/18/04			5.0 21.3 0.0		0.0 12.5 3.8		20.0 75.0 88.8		53.8 75.0 97.5 96.3		5938.3
Shark	224	8oz	3.0 lsr	6/21/04			3.3 11.7 0.0		0.0 90.0 80.0		53.3 100.0 100.0		88.3 100.0 100.0 100.0		5498.5

LSD 0.05 978.3

¹ % Stand (Percent stand reduction), % Stunting (Percent stunting of rice), % Injury (percent injury to rice)² ECHPH (Late watergrass), SCPMU (Rice field bulrush), CYPDI (Small flower Umbrellaplant), HETLI (Duck salad)
LEFFA (Sprangletop), BAORO (Waterhyssop), AMMCO (Redstem), SAGMO (California arrowhead)³ fb. (followed by), lsr (leaf stage of rice), Til (tillers of rice).⁴ Untreated weed control values represent % cover by the respective weed species**Trial Information**

1. Trial seeded June 10, 2004 with 150 lbs per acre of M104
2. Trial managed as a permanent flood.
3. No weeds visible for the June 14 application of Cerano.
Watergrass was 1 leaf, sedges were rosette, redstem was rosette for the June 16 application.
Watergrass was 1-2 leaf, sedges were 1 leaf, redstem was rosette - 2 leaf, ducksalad was 1-2 leaf for the June 18 application.
Watergrass was 3-4 leaf, sedges were 3 leaf, redstem was 4", ducksalad was 4-5 leaf for the June 21 application.
4. Weather conditions on June 14: Air temperature 78° F, wind 2-6 MPH from the northwest.
Weather conditions on June 16: Air temperature 82o F, water temperature 76oF, wind 2-5 MPH from the northwest.
Weather conditions on June 18: Air temperature 72o F, Water temperature 75oF, wind 2-6 MPH from the west.
Weather conditions on June 21: Air temperature 66o F, Water temperature 76o F, wind 0-3 MPH from the southwest.